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The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

Mass.:

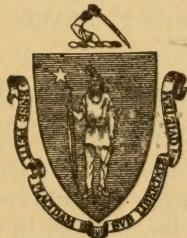
TRUSTEES OF THE DANVERS
STATE HOSPITAL

at Danvers (Inca)

FOR THE

YEAR ENDING NOVEMBER 30, 1925

DEPARTMENT OF MENTAL DISEASES



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Dentist.—Vacant.
Industry Teacher.—MISS EDITH F. BEANE

The Commonwealth of Massachusetts
TRUSTEES' REPORT

To His Excellency the Governor and the Honorable Council.

In submitting the forty-eighth annual report of the Danvers State Hospital, the Trustees have, again, pleasure in reporting that the institution has continued to enjoy the confidence of the public. We believe this confidence has not been misplaced, and that the hospital, according to its means, has been faithful in its ministrations to the sick, and ever mindful of the trust and responsibilities involved in its mission as an agency for the relief of sufferers consequent upon mental disease.

OVERCROWDING OF WARDS AND NEEDED MEASURES FOR IMPROVEMENT

We ask your consideration of the urgent needs of this hospital for additional accommodations for our ever-increasing population. The overcrowded condition of our wards tends to defeat medical efforts, and to set at naught the elaborate machinery and equipment of the hospital for

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treatment. It is obvious that treatment must fail of its desired effect when the surroundings of the patients, and environmental conditions generally are so unfavorable.

With an over-flow of the demented into the wards for the acute and convalescent, the inevitable consequence is reduction of recovery rates, prolonged convalescence periods, and the embarrassment of medical efforts.

For, in the care of the mentally ill, nothing anywhere near the best results may be expected or can be achieved, where the acutely sick and the convalescing class are forced to live in intimate daily contact with the over-flow from the wards of the demented and hopelessly incurable.

The suggestive influences of such contacts are most pernicious factors. They feed and preserve and suggest the distressing conceptions of unworthiness, self-accusation, hopelessness, and despair of the melancholiac; they enlarge the field of delusional interpretations, and reinforce the delusions of the paranoiac, whose peculiar disposition it is, to surround himself with an atmosphere of universal suspicion, and to translate actions, events, and environmental conditions into terms and proofs of persecution; they have a very detrimental influence upon the super-sensitive phychaesthetic, the neurotic, and the mentally deficient with his tendencies to imitation and his suggestibility to surrounding conditions; such influences as these are harmful, painful, and distressing to every unfortunate sick being who is capable of emotional reaction to his associations.

In truth, as respects the problem of mental disease, it is not a far-sighted, economic policy which obstructs its own ends; and in humanitarian things and measures for the relief of the worst of all human calamities, sickness of the mind, the quality of human charity should be strained to such a point only under the compulsion of dire necessity.

We, again, direct attention to our report of 1924:

"The hospital year, which ended September 30, 1924, has been one of the busiest in the history of the institution. Our population has increased greatly. Transfer of patients to other institutions was necessary, though, oftentimes, difficult to effect by reason of objections of relatives who might find it difficult to visit them at more distant institutions."

"Admissions for the year were 735, an increase of 81 over the previous year. The daily average population was 1689, an increase of 45. The whole number of cases treated was 2775,—124 more than the preceding year."

"The growth of population in the period between 1917 and 1924 is as follows:

YEAR	Daily average no. of patients under treatment
1917.....	1488
1918.....	1502
1919.....	1486
1920.....	1522
1921.....	1576
1922.....	1631
1923.....	1644
1924.....	1689

The need of additional accommodation for patients is obvious."

We also call attention to these paragraphs in the Superintendent's 1924 Report to the Board of Trustees:

"The progressive increase in 'average daily population,' and 'total cases treated during year' since 1920, denotes the rate of increase of that class of institutional inmates known as permanent residents or custodial cases. It includes the senile, arteriosclerotic, terminal dementia,

and other conditions of a chronic, or progressively dementing character. In time, this bids fairly to change the character of the institution, unless some provision is made for the care of this class by additions to our housing capacity, or by transfers to other institutions. Danvers cannot function successfully as an acute receiving hospital when classification is rendered almost impossible by an overwhelming surplus of custodial inmates."

"Our district sends us between 500 and 560 cases of 'first admissions to this or any hospital,' yearly. A very large number of these patients suffer from acute disorders, and may be helped to mental restoration. From this group, the largest number of our discharges are made. Special classification, special care, and special attention are necessary in these cases in order to ensure the best results."

"The interests of this class of patients can be served properly only by the addition to the institution of acute or receiving wards in a separate building, with a capacity of between 400 and 500 beds."

"The time may not be opportune to ask for *additional buildings for the accommodation of patients*, but it is necessary to call attention to our great need in this respect."

"The hospital population quota is 1745, and our yearly admission rate is about 800 patients. We discharge, yearly, on visit, improved, recovered, or under supervision about 400 patients, or approximately 50% of the number of admissions. By far the larger proportion of such discharges belong in the group of those who have been under treatment, under or within a twelve-month period."

"There is no question but that the conditions for treating acute cases are not at their best where classification is almost impossible on account of the excessive number of chronic, incurable cases domiciled in the same wards with the acute cases."

"Soon, the State must consider the question of an acute receiving building for Danvers. Properly considered, this should be an acute or infirmary building. We cannot do as we should for our acute sick without such an addition. At least one-half of our admissions during any year may be classified as acute cases. A building of a capacity to house 400 or more patients then, is needed. In the interest of economy and the welfare of the sick it would be better still to make it a 500 bed hospital which would insure comfort and adequate quarters for our sick for many years, at the least cost."

"At this time when so many public spirited individuals are interested in large expenditures in behalf of prisoners and prison improvements, it is a singular anomaly that the needs of the unfortunate sick, of the mental class, seem to be forgotten. These, the innocent victims of environmental and occasionally hereditary handicaps, have a claim upon public bounty and consideration in advance of all others. Let us heed the needs of such as these, in all our humane efforts."

The situation this year shows an even greater increase of custodial cases. Last year, with an admission rate of 735 patients, the total number of cases treated was 2775. This year, with an admission rate of 718, the total cases treated was 2797.

These figures show, as vividly as it can be presented, the increasing surplus of patients of the chronic class, and the correspondingly unhappy plight of cases of the acute or convalescent classes.

It must be borne in mind that transfers of patients from this hospital involve great hardships upon their relatives living in this district. Visits to relatives or friends in distant hospitals can only be made at considerable expense and great inconvenience.

The Essex District deserves, at the least, consideration of the convenience of its people and the needs of its sick; and, as your trustees, we urge such measures as will furnish relief from the existing situation.

OTHER SPECIAL NEEDS

Sun-Verandas for the "C" and "H" Sections. These verandas should be of the same general design and construction as those of the "B" and "I" sections.

Those who are acquainted with the conditions of our wards are deeply imbued with a sense of the embarrassment of service due to over-crowding, and seriously feel the urgent necessity of increased living quarters for patients. The advantages gained by these additions would include convenience of service, greater comfort of patients, and improvement of sanitation.

The normal working capacity of this hospital is estimated at 1550. Our monthly average population during the first six months has ranged from 1684 to 1765. Our average population for the six months has been 1730. These facts are sufficient arguments in favor of additional "breathing space." They speak for themselves.

The estimate of cost of these additions, submitted below, is based on the assumption that the costs for material, construction, and labor (except such rough work as digging, etc., done by patients) must be provided for in the appropriation. Skilled labor costs must be included in any adequate estimate of construction under this request. Our regular force of mechanics cannot undertake further construction, except at the detriment of the institution.

In recent years the small force of mechanics employed for purposes of repairs and upkeep have been engaged largely in new construction. The time has now come when repairs and upkeep must be attended to in advance of all other things. While, of necessity, upkeep became secondary to projects of new construction, the institution has suffered the penalties attached to attempting things beyond its resources. The calls for repairs of leaking roofs, breaking steam-lines, pointing up of brick walls, etc., proclaim the fact that we have arrived at a point where we may no longer neglect work which fully demands the time and attention of our repair force.

Estimated Cost of Sun-Verandas—"C" and "H" Sections—\$50,000.00

Fire Hose House and Completion of Garage Extension. A partially constructed extension to the institution garage offers, at a small cost, an opportunity to provide much needed room for the housing of institution motor vehicles; and safe quarters for our fire-fighting equipment.

The excavating at the site of the garage extension was completed two years ago by the patients. The walls of the basement have been completed on three sides by patients and our masons. The front columns have been completed. There remains to be done the floor over the basement, and doors and windows. The basement for car storage is 42' x 62'. The basement, when completed, will be fireproof throughout.

Over this basement it is proposed to erect a fireproof one-story building for storage of fire equipment. The floor space would be sufficient to provide three compartments: one for ladders and small equipment, one for a chemical engine, and one for a motor fire truck.

The existing hose and engine house is a small shack of wooden construction, with room only for ladders, axes, lanterns, reels, and small chemical extinguishers. It is located right by the most dangerous fire-trap on our grounds; within a few feet of it are the Carpenter Shop, the Paint Shop, and the Blacksmith Shop; all under one roof. With a fire in the Blacksmith Shop or the Paint Shop situated directly over it, the chances of saving property, or even of entrance to the hose house, would be almost impossible.

Estimated Cost of Fire Hose House and Completion of Garage Extension is—\$5,855.00

Paint Shop and Blacksmith Shop. The existing paint shop and the

blacksmith shop are located within the same building with the carpenter shop and the machine shop.

The blacksmith shop is situated on the ground floor directly under the paint shop. The floor above the blacksmith shop is of wood, covered underneath with plaster. On renewal of this plaster, paint and shellac were found to have oozed right through this floor, upon the plastering directly over the blacksmith's fire.

The paint shop is separated by a wall from the carpenter shop, with a door leading into the latter.

A more risky situation can hardly be conceived. In case of a fire in the paint shop, nothing less than a miracle would prevent the total loss of the whole building with all its contents.

It is proposed that a fire-proof, single-story building be erected alongside the carpenter shop, communicating with the latter by a runway; that this building be divided by a fire wall, so that one end may be used as a paint shop, the other as a blacksmith shop. The ground and the layout of other buildings lend themselves admirably to this arrangement. The size of this building would be 40' x 78'.

The space now used as a blacksmith shop, might to very great advantage be used as a plumber's shop and storeroom. The existing paint shop would be added to the carpenter shop.

Estimated Cost of Paint Shop and Blacksmith Shop—\$11,352.00

Replacing Worn-Out Instantaneous Water Heater at Middleton Colony—\$375.00

Patterson-Kelly Instantaneous Water Heater, Type D, size No. 8. (del.) Heating Capacity, 1250 gals. per hour; atmospheric temperature including thermostatic regulator.

Thermostatic Hot and Cold Water Mixers—\$606.00

2 No. 7 Power's Thermostatic Hot and Cold Water Mixers. Necessary valves, piping and fittings to install.

To these needs, we respectfully beg your consideration.

In conclusion, we desire to express our confidence in the Executive Officer and his Assistants, and our appreciation of the faithful services of officers and employees during the year.

Respectfully submitted,

S. HERBERT WILKINS,	WILLIAM W. LAWS,
ARTHUR C. NASON, M.D.,	LOUISE M. PORTER,
JAMES F. INGRAHAM,	ANNA P. MARSH,
SAMUEL COLE.	

SUPERINTENDENT'S REPORT

To the Trustees of the Danvers State Hospital:

The forty-eighth annual report of the Superintendent, covering the operation of the hospital for the fiscal year ending November 30, 1925, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period included within the year ending Sept. 30, 1925.

MOVEMENT OF POPULATION

The hospital year began October 1, 1924, with 1721 patients in the hospital, 313 on visit, 27 on escape, and 18 in family care, a total of 2079, and an increase of 39 over the preceding year.

The year ended Sept. 30, 1925, with 1684 patients in the hospital, 340 on visit, 24 on escape, and 17 in family care, a total of 2065.

Admissions for the year numbered 718, a decrease of 17 as compared with the previous year. Admissions of men showed an increase of 5 as

compared with last year, but there was a decrease of 22 women for the corresponding period.

Classified according to sex, the admissions were: males, 396, and females, 322; for the preceding year, males, 391, and females, 344.

This year, the same as the preceding year, there were no men or women admitted as voluntary patients; 236 men and 166 women were admitted on temporary care papers, an increase of 53 for the year; and 9 men and 11 women were transferred from other institutions, a decrease of 4.

FIRST ADMISSIONS

Admissions for the first time to this or any hospital were 540 as compared with 561 last year, a decrease of 21.

DAILY POPULATION

The daily average population was 1705, an increase of 16. The whole number treated during the year was 2797, 22 more than the preceding year.

The death rate for the year was 244, as against 221 the preceding year, an average of 8 per cent on the basis of total number of cases under treatment.

DISMISSALS

There were 618 dismissed during the year, 334 men and 284 women.

There were discharged as recovered, 22 patients as compared with 56 patients in 1924; as improved, 230, as against 242 last year; as not improved, 34, as compared with 66 in 1924; and as not insane, 13, as compared with 33 in 1924.

At the end of the year there were 340 patients on trial visit in care of friends or under hospital supervision as compared with 313 at the end of the previous year.

Since the organization of the hospital, 25,994 patients have been admitted and 23,815 discharged.

In this connection a comparison of statistics with those of previous years should prove interesting:—

Hospital year	Total Adms.	First Adms.	Average Daily Population	Total cases treated during the year
1917	766	533	1488	2554
1918	734	480	1502	2490
1919	738	509	1486	2567
1920	645	492	1522	2489
1921	668	500	1576	2579
1922	729	547	1631	2569
1923	654	486	1642	2561
1924	735	561	1689	2775
1925	718	540	1705	2797

THE NEED OF A SEGREGATED BUILDING FOR ACUTE AND CONVALESCENT CASES

The capacity of the hospital and the accommodation for new cases are seriously over-taxed. The yearly surplus of chronic cases has exceeded previous records. It is almost impossible to maintain proper classification. The wards formerly reserved solely for acute and convalescing cases now carry a considerable number of the deteriorated class. The institution needs an addition of a segregated building for acute and convalescent cases.

MEDICAL EXAMINER'S CASES

Identification number 25789; female; age 36. A case of accidental scalding which resulted in serious injury. Patient held her hands in the hot water in the wash bowl in her ward until third degree burns

occurred. The hot water supply is not under thermostatic control, and during certain periods becomes boiling hot in a few moments. It is hoped that thermostatic controls may be placed on these pipe lines this year.

Identification number 25345; male; age 25; diagnosis "Manic Depressive, Depressed"; admitted November 7, 1924; died January 7, 1925. Patient had improved to a point where he was allowed parole. He appeared very well and seemed to have partly recovered from his depression. He was visited by his father in the afternoon of January 7th, but an hour later he took sodium cyanide, which doubtless he had obtained somehow by purchase in a nearby town where he had an acquaintance with a druggist.

MEDICAL ADMINISTRATION

The following changes in the Staff personnel took place during the year:

APPOINTMENTS

- Dr. Gerard Cote, assistant physician, appointed May 28, 1925.
- Dr. George H. Lussier, assistant physician, appointed May 28, 1925.
- Dr. Marius Peladeau, assistant physician, appointed August 31, 1925.
- Dr. Lawrence Raymond Morrison, assistant physician, appointed Oct. 2, 1925.
- Dr. Cecil R. Learn, assistant physician, appointed October 13, 1925.

RESIGNATIONS

- Dr. Paul Dufault, assistant physician, resigned May 16, 1925.
- Dr. J. Charles Lapierre, assistant physician, resigned July 27, 1925.
- Dr. Otis F. Kelley, pathologist, resigned September 10, 1925.
- Dr. Guy C. Randall, senior assistant physician, resigned Sept. 30, 1925.
- Dr. G. Herve Faubert, assistant physician, resigned November 8, 1925.

STUDENT INTERNES

Undergraduates in medicine, as student internes during the summer vacation period, helped us greatly in our work. We are assured that this service is of great value to students, and we know that the hospital profits largely by the work done in the wards and laboratory, and by the stimulating influence of an eager, inquiring, ambitious group of students among the staff.

The names of those who served as student internes follows:

- Mr. George C. Stevens, June 1, 1925 to September 24, 1925.
- Mr. William Gayle Crutchfield, June 5, 1925 to August 17, 1925.
- Mr. Wallace A. Coburn, June 16, 1925 to September 23, 1925.
- Mr. Donald Linard, June 22, 1925 to September 16, 1925.
- Mr. Osmer Samuel Randall, June 22, 1925 to September 12, 1925.
- Mr. Charles T. Schectman, August 4, 1925 to September 12, 1925.

PUBLIC SCHOOL CLINICS

These were conducted by Dr. Guy C. Randall, with the assistance of a psychologist and a social worker of the hospital, until September 30, 1925, when he left the service. This work has since been carried on by Dr. Edgar M. Blew.

CLINICS FOR PATIENTS ON VISITS

Clinics for patients who have left the hospital on trial visits have been held weekly at Newburyport, Gloucester, Salem, Lawrence, Haverhill, Lynn, and Malden. These have been conducted by the Superintendent, or his Assistant, and a social worker. It is gratifying to state that the attendance at these clinics has been very full, and that our out-patients recognize that these efforts in their behalf are helpful to them. The clinics are in fact meetings between the patient and the hospital, where the difficulties and troubles of the discharged patient are discussed to the

end of finding the best solution of the problems in the patient's interest. Too often, unfortunately, we find ourselves up against problems of great complexity and difficulty, but the point is that the patient knows he has a friendly agency that is bound to help him towards restoration in society. And, in many cases, this constitutes the stimulus to self-confidence and restoration. In all these confidential conferences between patients and the hospital it is understood that the object is solely service to those who have been our patients. Domestic and social relations are freely studied. The means of help, correction, and restoration are gone over carefully; and the influence of the hospital towards legitimate demands upon social agencies and private enterprises is enforced by visitations and studies by our social service workers.

We are justly proud of the fact that our patients resort to us for help in their troubles, and that in many instances we have been enabled to help them. This, after all, is the true standard by which we must measure the value of hospital service.

MENTAL HYGIENE CLINIC

The mental hygiene clinic at the Lynn Hospital was suspended in the last two months of the year on account of the illness of the director, Dr. Edgar M. Blew. The work has recently been resumed under the direction of Senior Assistant, Dr. Charles L. Clay.

MEDICAL WORK

The established methods of complete physical, neurological, and mental examinations, followed by presentation at Staff Conference for purposes of discussion and general study and diagnosis, have been followed in all cases admitted. Practically all cases dismissed have appeared before the Staff before going out on visit or discharge. The medical and environmental aspects of each case are thoroughly considered.

Treatment of all syphilitic cases, Wassermann tests, typhoid and small-pox vaccinations have been carried out as routine work. All persons admitted are subjected to the Schick test and toxin-antitoxin immunity induced in susceptible cases.

Occupational work in the wards and class rooms has been carried on successfully during the year.

Special attention has been devoted to hydrotherapy.

DENTISTRY

This department has been conducted by Mesrop N. Mooradkian, D.M.D., assisted by a dental hygienist, Miss Lillian Hall.

LABORATORY

Dr. Otis F. Kelly left the service on September 10, 1925, since which time laboratory service has been confined to routine work by members of the Clinical Staff. Dr. L. Raymond Morrison, of the Staff, is now taking a special laboratory course in preparation for this service.

EX-SERVICE MEN

It is earnestly hoped that in the early future arrangement may be made for the care of all ex-service men in the Federal hospitals. The number admitted is quite large, as may be seen by the subjoined table; the number removed to the Veterans' Bureau Hospital comparatively small.

EX-SERVICE MEN UNDER CARE

OCT. 1, 1924—SEPT. 30, 1925.

No. of First Admissions, 34; No. of Re-admissions, 13; No. of Return Visits, 13; No. of Return Escapes, 0; No. Discharged, 14; No. Transferred, 4; No. Discharged by Death, 4; No. on Visit, 30; No. on Escape,

8; Total number in the hospital October 1, 1924, 39; Total number admitted during the year, 60; Total number discharged during the year, 60; Total number in the hospital September 30, 1925, 39; Total number under treatment during the year, 99.

THE TRAINING SCHOOL FOR NURSES

The Superintendent of Nurses submits the following report:
To the Superintendent of the Danvers State Hospital:

I herewith submit the forty-eighth annual report of the Training School for Nurses.

The Graduating Class of 1925: one graduate, Helen Agnes Clinton. School Personnel: Superintendent of Nurses, 1; Assistant Superintendent of Nurses, 1; Supervisor, Day, 1; Supervisor, Night, 1; Graduates of Danvers State Hospital—Head Nurses, 3; Graduates of other Schools, 4; Day Nurses—Pupils, 11; Day Attendants, 37; Night Nurses—Pupils, 2; Night Attendants, 12; Intermediate pupils at Affiliating School, Boston City Hospital, 7; Senior pupil at Affiliating School, Tewksbury, 1.

December 1, 1925 our pupils were as follows:

Seniors, 4; Intermediates, 7; Juniors, 10; Total, 21.

Respectfully submitted,

OLIVE F. ESTEY, R.N., *Superintendent of Nurses.*

SOCIAL WORK

SOCIAL SERVICE STATISTICS

I. Numerical Summary of Cases.

	Males	Females	Totals
New Cases.....	279	229	508
Renewed Cases from previous years....	42	57	99
Continued Cases from previous year...	27	44	71
Total cases worked on for the year.....	348	320	668
Cases closed during the year.....	279	277	556
Cases continued to following year.....	69	85	154

II. Sources of New Cases.

No. Cases referred by Physicians, 233; No. Cases referred by Community Agencies, 7; No. Cases referred by Initiative of Patients, 2; No. Cases selected by Social Service, 57.

III. Analysis of Work.

1. Purposes for which cases were referred:

- (a) Histories of Patients { Taken at Hospital, 91
Taken outside Hospital, 114
- (b) Investigation { Conduct Disorders, 16
Employment Situations, 9
Home Conditions, 29
Statements of Patients, 15
Statements of Others, 24
- (c) Supervision { In Home, 96
In Industry, 1
In Community, 35
- (d) Personal Services, 48
- (e) Care of Patients' Families, 2
- (f) Placement, 19

2. Problems:

- (a) Disease { Mental, 206
Physical, 47

- (b) Sex Problems {
 - Prostitution, 1
 - Promiscuity, 3
 - Wayward Tendencies, 8
- (c) Environment, 143
 - 1. Financial Difficulties, 16
 - 2. Employment Difficulties, 19
 - 3. Unsuitable surroundings, 10
 - 4. Friction {
 - Family, 44
 - Others, 10
 - 5. Marital Difficulties, 44
- (d) Personality Problems, 88
 - 1. Temperament, 32
 - 2. Anti-social Habits, 55
 - 3. Vacillating Interests, 1
- (e) Educational Problems, 33
 - 1. Readjustment Habits of Mind, 24
 - 2. Recreation; church; social relationships, 9
- (f) Legal Problems, 25
 - 1. Concerning property or support, 10
 - 2. Resulting from conduct of patient, 6
 - 3. Resulting from conduct of others, 9
- (g) General Problems, 3

IV. Service Rendered.

1. Medical:

- (a) Contribution of information re: Medical History, 212
- (b) " " " " Home Conditions, 49
- (c) " " " " Condition of Out Patients, 208
- (d) Arrangement for Medical Assistance, 15

2. Social:

- (a) Adjustments for Patients {
 - Environment, 9
 - Personal Relations, 14
- (b) " " " " in Industry, 5
- (c) " " " " Recreation, 2
- (d) Advice {
 - To Relatives, 119
 - To Patients, 104
 - To Others, 53
- (e) Connecting with Agencies, 22; with Individuals, 6
- (f) Family Assistance, 3
- (g) Personal Services, 31
 - Placement Work {
 - Home, 20
 - Industry, 18

V. Supervision Work.

1. No. Patients on visit last day previous month, 360

- Visits {
 - To Patients on ward, 76
 - " " " visit, 146
 - " Relatives or Friends, 308
 - " Social Agencies, 169
 - " Others, 245

No. Patients in care of Other Agencies, 2

2. Family Care Patients:

- (a) No. Patients visited, 68
- (b) " " placed, 2
- (c) " " replaced, 5
- (d) " " returned, 1
- (e) " " discharged, 1
- (f) " " Boarding Homes investigated, 12

VI. Clinic Work.

1. Out Patient Clinics	{	No. clinics attended, 44
	{	“ interviews with Patients, 112
	{	“ “ “ “ Relatives, 72
2. School Clinics—(a)	{	No. Histories, 86
3. Community Clinics	{	No. attended, 42
	{	“ interviews with Patients, 29
	{	“ “ “ “ Others, 48

VII. Miscellaneous.

1. Amount of Expense Account	{	School or Community Clinic Work, \$22.38
	{	Hospital Work, \$413.92
2. Account of Time	{	No. days in Hospital, 173½
	{	“ “ “ outside Hospital, 257
	{	“ “ “ spent in School Clinic Work, 20
	{	“ “ “ “ Community Clinic Work, 21
	{	“ Evenings in Out Patient Community Clinic Work, 44

Special Features:

Lectures, 8

Conferences attended, 14

Special Studies, 1

Personnel: Beulah E. Smith, Head Worker; Margaret E. Graham, resigned June 5, 1925; Hazel M. Simmons, student Social Worker, added to staff October 27, 1925.

NEEDS

Outstanding needs of this hospital to which attention has been directed in previous reports are:

The *renovation of the center Main Building*, to provide additional dining room space, admitting room, modern laboratory facilities, and officers' quarters.

The *replacement of the Middleton Colony by a fire-proof building near our main plant*.

The need of this has been repeatedly urged. A site adjacent to our main plant, safe, readily accessible, easily supplied with heat from our main power system, is available.

OTHER SPECIAL NEEDS

Sun-Verandas for the "C" and "H" Sections. These verandas should be the same general design and construction as those of the "B" and "I" sections.

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The estimate of cost of these additions, submitted below, is based on the assumption that the costs for material, construction and labor (except such rough work as digging, etc., done by patients) must be provided for in the appropriation. Skilled labor costs must be included in any adequate estimate of construction under this request. Our regular force

of mechanics cannot undertake further construction, except at the detriment of the institution.

In recent years, the small force of mechanics employed for purposes of repairs and upkeep have been engaged largely in new construction. The time has now come when repairs and upkeep must be attended to in advance of all other things. While, of necessity, upkeep became secondary to projects of new construction, the institution has suffered the penalties attached to attempting things beyond its resources. The calls for repairs of leaking roofs, breaking steam-lines, pointing up of brick walls, etc., proclaim the fact that we have arrived at a point where we may no longer neglect work which fully demands the time and attention of our repair force.

Estimated Cost of Sun-Verandas—"C" and "H" Sections—\$50,000.00

Fire Hose House and Completion of Garage Extension. A partially constructed extension to the institution garage offers, at a small cost, an opportunity to provide much needed room for the housing of institution motor vehicles, and safe quarters for our fire-fighting equipment.

The excavating at the site of the garage extension was completed two years ago by the patients. The walls of the basement have been completed on three sides by patients and our masons. The front columns have been completed. There remains to be done the floor over the basement, and doors and windows. The basement for car storage is 42' x 62'. The basement, when completed, will be fireproof throughout.

Over this basement it is proposed to erect a fireproof one-story building for storage of fire equipment. The floor space would be sufficient to provide three compartments; one for ladders and small equipment, one for a chemical engine, and one for a motor fire truck.

The existing hose and engine house is a small shack of wooden construction, with room only for ladders, axes, lanterns, reels, and small chemical extinguishers. It is located right by the most dangerous fire-trap on our grounds; within a few feet of it are the Carpenter Shop, the Paint Shop, and the Blacksmith Shop; all under one roof. With a fire in the Blacksmith Shop or the Paint Shop situated directly over it, the chances of saving property, or even of entrance to the hose house, would be almost impossible.

Estimated Cost of Fire Hose House and Completion of Garage Extension is—\$5,855.00

Paint Shop and Blacksmith Shop. The existing Paint Shop and the Blacksmith Shop are located within the same building with the Carpenter Shop and the Machine Shop.

The Blacksmith Shop is situated on the ground floor directly under the Paint Shop. The floor above the Blacksmith Shop is of wood, covered underneath with plaster. On renewal of this plaster, paint and shellac were found to have oozed right through this floor, upon the plastering directly over the blacksmith's fire.

The Paint Shop is separated by a wall from the Carpenter Shop, with a door leading into the latter.

A more risky situation can hardly be conceived. In case of a fire in the Paint Shop, nothing less than a miracle would prevent the total loss of the whole building with all its contents.

It is proposed that a fire-proof, single-story building be erected alongside the Carpenter Shop, communicating with the latter by a runway; that this building be devided by a fire wall, so that one end may be used as a paint shop, the other as a blacksmith shop. The ground and layout of other buildings lend themselves admirably to this arrangement. The size of this building would be 40' x 78'.

The space now used as a Blacksmith Shop, might to very great advantage be used as a plumber's shop and storeroom. The existing Paint Shop would be added to the Carpenter Shop.

Estimated Cost of Paint Shop and Blacksmith Shop—\$11,352.00
Replacing Worn-Out Instantaneous Water Heater at Middleton Colony—\$375.00

Patterson-Kelly Instantaneous Water Heater, Type D, size No. 8. (del.) Heating capacity, 1250 gals. per hour; atmospheric temperature including thermostatic regulator.

Thermostatic Hot and Cold Water Mixers—\$606.00

2-No. 7 Power's Thermostatic Hot and Cold Water Mixers. Necessary valves, piping and fittings, to install.

FARM

The farm production was equal to the best in years. Much other work, such as road repairs, fell upon the farm force. The yield of hay, ensilage, etc., was above the average of other years. The total profits amounted to \$63,723.83.

RELIGIOUS SERVICES

Religious services were held regularly each Sunday, the Catholic clergyman officiating in the forenoons, and the Protestant clergyman in the afternoons. Religious services were also held monthly at the Middleton Colony. Responses to sick calls, or to administer the rites of their religion to the dying, have been faithfully made by the clergy.

ACKNOWLEDGMENTS

The following friends of the hospital have contributed money towards entertainment of the patients, and to provide gifts at the Christmas season for those who had no friends to remember them:—Mrs. Margaret T. Sullivan, Peabody; Miss Eva Hanson, Chelsea; Mr. and Mrs. W. N. Gleason, Reading; Mrs. S. W. Wolfe, Gloucester; Mr. T. Callahan, Amesbury; Mr. John Thomas, Lynn; Mr. F. A. Manny, Boston; Mrs. Guy R. Wolfe, Gloucester; Mrs. Rufus Herrick, Boston; Mrs. Edith Pike, Boston.

The following donations by friends of the hospital are gratefully acknowledged:—Mr. George Pitman, Salem, piano; Mr. Gilman Brown, Hathorne, books; Mr. Henry Colby, Beverly, magazines; Mrs. Mary Shea, Lawrence, phonograph records; Mrs. Emmons, Boston, magazines; Mr. W. M. Priest, Lawrence, boxes of candy; Mrs. Anton E. Liebsch, Salem, cards and scrap-books; Mrs. G. M. Bowditch, Chelsea, bags and cards; Mrs. A. S. Plummer, Georgetown, handkerchiefs; Mrs. Sarah E. Bussler, Wollaston, Columbia machine and five records; Mrs. E. L. Webber, Boston, cards; Miss M. I. Dennison, Medford Hillside, candy; Church Periodical Club, Cambridge, books; Mrs. G. E. B. Putnam, Roslindale, car ticket; Mrs. Willis Ropes, Danvers, books; Miss Helen Osgood, Lynn, piano; Mr. G. F. Merrigan, Medford, fourteen Victrola records; Miss H. Mitchell, Methuen, books; Miss Emma Sexton, Hathorne, eleven cases of tonic; Mrs. H. L. Winslow, Hathorne, books and magazines; Miss Helen A. Smith, Winthrop, bound copies of Century Magazine.

I desire to record my appreciation of the services rendered our soldier patients by the Women's Auxiliaries, the American Legion Posts in this district, the Knights of Columbus, the Veterans of the World War, U. S. Veterans' Bureau, and the Disabled Soldiers' Christmas Remembrance Committee. Throughout the year, special entertainments were provided for the soldiers, and gifts of tobacco, fruit, delicacies, writing materials, and reading matter were generously distributed by these patriotic organizations.

ENTERTAINMENTS AND AMUSEMENTS

During the winter, dances for the patients were held weekly, and moving pictures exhibited Thursday and Friday evenings. Special entertainments were given at Christmas, New Year's and Fourth of July. Card parties and musical entertainments, vocal and instrumental, furnished additional diversion.

During the summer, baseball was the great attraction for all. Matches between hospital teams and visiting teams were held weekly. Field sports were held on the Fourth of July, in which healthy rivalry and great enthusiasm were evoked.

The Christmas season, as usual, was suitably observed at the hospital. All the wards had Christmas trees, and were elaborately decorated. On Christmas morning, carols were sung in all the wards, by a group of singers composed of patients and employees. A generous response was made by friends of patients and the public to our holiday announcements. Every patient was presented with gifts contributed by friends or by the hospital. Friends of the hospital contributed money to provide gifts for those patients who had no near friends to remember them.

CONCLUSION

I am deeply indebted to a loyal, devoted corps of department heads, and to a willing, co-operative staff for services which made possible the success of the year's work. It is with a real sense of appreciation and gratitude that I recall the unselfish loyalty to the institution of these faithful officials.

To the Board of Trustees I desire to tender my heartfelt thanks for their counsel and support.

Respectfully submitted,

JOHN B. MACDONALD, *Superintendent.*

TREASURER'S REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1925.

CASH ACCOUNT

Receipts

Income

Board of patients:		
Private	\$51,737.27	
Reimbursements.....	71,262.01	
		\$122,999.28
Personal Services:		
Reimbursement from Board of Retirement.....		194.09
Sales:		
Food	\$811.42	
Clothing and materials.....	306.02	
Furnishings and household supplies.....	6.13	
Medical and general care.....	273.13	
Heat, light and power.....	16.90	
Farm:		
Cows and calves.....	\$161.89	
Pigs and hogs.....	1.00	
Hides.....	723.45	
Ice.....	33.50	
Wood.....	215.00	
Sundries.....	196.93	
		1,331.77
Garage, stable and grounds.....	97.63	
Repairs, ordinary.....	342.46	
		3,185.46
Total sales.....		
Miscellaneous:		
Interest on bank balances.....	\$130.21	
Rent.....	40.00	
		170.21
Total income.....		\$126,549.04

MAINTENANCE

Balance from previous year, brought forward.....	\$7,994.90
Appropriations, current year.....	586,940.00
Total.....	\$594,934.90
Expenses (as analyzed below).....	581,193.70
Balance.....	\$13,741.20

Analysis of Expenses

Personal services.....	\$285,137.86
Religious instruction.....	2,162.16
Travel, transportation and office expenses.....	4,940.47
Food.....	108,158.29
Clothing and materials.....	19,104.30
Furnishings and household supplies.....	36,695.93
Medical and general care.....	26,957.97
Heat, light and power.....	37,263.25
Farm.....	27,787.53
Garage, stable and grounds.....	5,489.44
Repairs, ordinary.....	19,129.02
Repairs and renewals.....	8,367.48
Total expenses for maintenance.....	\$581,193.70

SPECIAL APPROPRIATIONS

Balance December 1, 1925.....	\$32,921.60
Appropriations for current year.....	26,600.00
Total.....	\$59,521.60
Expended during the year (see statement below).....	\$27,668.55
Reverting to treasury of Commonwealth.....	711.47
	28,380.02
Balance November 30, 1925, carried to next year.....	\$31,141.58

OBJECT	Act or Resolve	Whole Amount	Expended During Fiscal Year	Total Expended to Date	Balance at End of Year
Power Plant.....	629 of 1920	\$250,000.00	\$3,637.33	\$249,395.53	\$20.58 583.89*
Electrical Refrigerating and Light- ing Plant.....	203 of 1921	50,000.00	3,285.26	49,905.46	94.54*
Storage House.....	126 of 1923	6,000.00	5,966.96	5,966.96	33.04*
Equipment for Food Service	126 of 1924	7,300.00	7,297.40	7,297.40	2.60
Additional Fire Protection.....	510 of 1924	12,000.00	2,417.45	2,417.45	9,582.55
Wire Fence.....	211 of 1925	1,200.00	1,193.98	1,193.98	6.02
Motor Drive.....	211 of 1925	1,400.00	1,214.66	1,214.66	185.34
Automatic Draft Control.....	211 of 1925	2,500.00	2,401.00	2,401.00	99.00
Moving Dayton Hall.....	211 of 1925	3,500.00	254.51	254.51	3,245.49
Fire Protection 1925.....	347 of 1925	18,000.00	—	—	18,000.00
		\$351,900.00	\$27,668.55	\$320,046.95	\$31,853.05

Balance reverting to treasury of the Commonwealth during year (mark item with *).....	\$711.47
Balance carried to next year.....	31,141.58
Total as above.....	<u>\$31,853.05</u>

PER CAPITA

During the year the average number of inmates has been 1,705.44
Total cost for maintenance, \$581,193.70
Equal to a weekly per capita cost of \$6.5536 (52 weeks to year)
Receipt from sales, \$3,185.46
Equal to a weekly per capita of \$.0359
All other institution receipts, \$123,363.58
Equal to a weekly per capita of \$1.3911
Net weekly per capita, \$5.1266

Respectfully submitted,
GLADYS E. LEACH,
Treasurer.

VALUATION

NOVEMBER 30, 1925

REAL ESTATE

Land (517 acres).....	\$89,640.00
Buildings.....	2,536,629.90
	<u>\$2,626,269.90</u>

PERSONAL PROPERTY

Travel, transportation and office expenses.....	\$2,429.24
Food.....	23,555.93
Clothing and materials.....	11,814.72
Furnishings and household supplies.....	100,841.08
Medical and general care.....	12,806.52
Heat, light and power.....	14,234.97
Farm.....	64,005.18
Garage, stable and grounds.....	9,152.95
Repairs.....	20,532.48
	<u>\$259,373.07</u>

SUMMARY

Real estate.....	\$2,626,269.90
Personal property.....	259,373.07
	<u>\$2,885,642.97</u>

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. — *General Information*

Date of opening as an institution for the insane: May 13, 1878

Type of institution: State

Hospital plant:

Value of hospital property:

Real estate including buildings \$2,626,269.90

Personal property 259,373.07

Total \$2,885,642.97

Total acreage of hospital property owned, 517

Additional acreage rented, 150

Total acreage under cultivation during previous year, 347

	ACTUALLY IN SERVICE AT END OF YEAR			VACANCIES AT END OF YEAR		
	M.	F.	T.	M.	F.	T.
Officers and employees:						
Superintendents	1	—	1	—	—	—
Assistant physicians	7	1	8	—	—	4
Medical internes	—	—	—	—	—	—
Clinical assistants	—	—	—	—	—	—
Total physicians	8	1	9	—	—	4
Stewards	1	—	1	—	—	—
Resident dentists	—	—	—	—	—	1
Graduate nurses	—	8	8	—	—	—
Other nurses and attendants	69	98	167	—	—	37
Teachers of occupational therapy	1	4	5	—	—	1
Social workers	—	1	1	—	1	1
All other officers and employees	73	50	123	—	—	13
Total officers and employees	152	162	314	—	—	61

	ACTUALLY IN INSTITUTION			ABSENT FROM INSTI- TUTION BUT STILL ON BOOKS		
	M.	F.	T.	M.	F.	T.
Census of patient population at end of year:						
White:						
Insane	684	931	1,615	197	181	378
All other cases	6	4	10	—	—	—
Total	690	935	1,625	197	181	378
Colored:						
Insane	11	8	19	—	—	—
Total	11	8	19	—	—	—
Grand total	701	943	1,644	197	181	378

	M.	F.	T.
Patients employed in industrial classes or in general hospital work on date of report	435	430	865
Average daily number of all patients actually in institution during year	738.73	966.71	1,705.44
Voluntary patients admitted during year	—	—	—
Persons given advice or treatment in out-patient clinics during year	281	226	507

TABLE 2. — *Financial Statement*

See treasurer's report for data requested under this table.

TABLE 3. — *Movement of Insane Patient Population for Year ending September 30, 1925.*

	M.	F.	T.
1. Insane patients on books of institution at beginning of institution year . .	936	1,142	2,079
2. Admissions during year:			
(a) First admissions	247	203	450
(b) Readmissions	65	67	132
(c) Transfers from other institutions for mental diseases	9	11	20
3. Total received during year	321	281	602
4. Total on books during year	1,257	1,424	2,681
5. Discharged from books during year:			
(a) As recovered	19	3	22
(b) As improved	127	103	230
(c) As unimproved	14	20	34
(d) As without psychosis	9	4	13
(e) Transferred to other institutions for mental diseases	41	34	75
(f) Died during year	124	120	244
6. Total discharged, transferred and died during year	334	284	618
7. Insane patients remaining on books of institution at end of institution year	923	1,140	2,063

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions for the Year ending September 30, 1925.*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	F.	M.	Both	F.	M.	Both
United States	144	124	268	75	70	145	53	55	108
Australia	1	—	1	—	—	—	—	1	1
Austria	1	1	2	1	1	2	1	—	1
Belgium	—	1	1	—	—	—	—	—	—
*Canada	23	17	40	31	32	63	35	28	63
Denmark	1	1	2	1	1	2	1	1	2
England	7	6	13	7	7	14	11	15	26
†Europe	2	1	3	2	2	4	2	2	4
Finland	1	—	1	2	2	4	—	—	—
France	1	—	1	1	—	1	1	—	1
Germany	2	1	3	3	2	5	2	2	4
Greece	5	2	7	5	5	10	3	3	6
Ireland	18	19	37	52	53	105	36	41	77
Italy	12	10	22	16	16	32	11	11	22
Norway	—	1	1	—	—	—	2	2	4
Poland	5	4	9	7	7	14	3	4	7
Portugal	—	—	—	1	—	1	1	1	2
Russia	13	9	22	14	14	28	15	13	28
Scotland	3	—	3	3	5	8	5	2	7
Sweden	4	5	9	4	4	8	5	5	10
Turkey in Asia	1	—	1	2	2	4	—	—	—
‡West Indies	1	—	1	1	1	2	—	—	—
Unascertained	2	1	3	19	23	42	16	17	33
Total	247	203	450	247	247	494	203	203	406

* Includes Newfoundland.

† Not otherwise specified.

‡ Except Cuba and Porto Rico.

TABLE 5. — *Citizenship of First Admissions for the Year ending September 30, 1925.*

	M.	F.	T.
Citizens by birth	144	123	267
Citizens by naturalization	35	15	50
Aliens	65	53	118
Citizenship unascertained	3	12	15
Total	247	203	450

TABLE 6. — *Psychoses of First Admissions for the Year ending September 30, 1925.*

PSYCHOSES				M.	F.	T.	M.	F.	T.
1.	Traumatic psychoses.....	—	—	—	4	—	4	—	—
2.	Senile psychoses.....	—	—	—	8	25	33	—	—
3.	Psychoses with cerebral arteriosclerosis.....	—	—	—	41	21	62	—	—
4.	General paralysis.....	—	—	—	32	6	38	—	—
5.	Psychoses with cerebral syphilis.....	—	—	—	—	1	1	—	—
6.	Psychoses with Huntington's chorea.....	—	—	—	—	—	—	—	—
7.	Psychoses with brain tumor.....	—	—	—	—	—	—	—	—
8.	Psychoses with other brain or nervous diseases, total..	—	—	—	8	3	11	—	—
	Other diseases.....	8	3	11	—	—	—	—	—
9.	Alcoholic psychoses, total.....	—	—	—	26	—	26	—	—
	Delirium tremens.....	14	—	14	—	—	—	—	—
	Acute hallucinosis.....	3	—	3	—	—	—	—	—
	Other types, acute or chronic.....	9	—	9	—	—	—	—	—
10.	Psychoses due to drugs and other exogenous toxins, total.....	—	—	—	—	—	—	—	—
11.	Psychoses with pellagra.....	—	—	—	1	—	1	—	—
12.	Psychoses with other somatic diseases, total.....	—	—	—	6	12	18	—	—
	Exhaustion delirium.....	1	3	4	—	—	—	—	—
	Delirium of unknown origin.....	1	2	3	—	—	—	—	—
	Cardio-renal diseases.....	1	1	2	—	—	—	—	—
	Other diseases or conditions.....	3	6	9	—	—	—	—	—
13.	Manic-depressive psychoses, total.....	—	—	—	21	22	43	—	—
	Manic type.....	9	10	19	—	—	—	—	—
	Depressive type.....	9	3	12	—	—	—	—	—
	Other types.....	3	9	12	—	—	—	—	—
14.	Involution melancholia.....	—	—	—	2	16	18	—	—
15.	Dementia præcox (schizophrenia).....	—	—	—	39	38	77	—	—
16.	Paranoia and paranoid conditions.....	—	—	—	1	3	4	—	—
17.	Epileptic psychoses.....	—	—	—	4	2	6	—	—
18.	Psychoneuroses and neuroses, total.....	—	—	—	1	—	1	—	—
	Other types.....	1	—	1	—	—	—	—	—
19.	Psychoses with psychopathic personality.....	—	—	—	1	—	1	—	—
20.	Psychoses with mental deficiency.....	—	—	—	10	11	21	—	—
21.	Undiagnosed psychoses.....	—	—	—	34	43	77	—	—
22.	Without psychosis, total.....	—	—	—	8	—	8	—	—
	Mental deficiency without psychosis.....	4	—	4	—	—	—	—	—
	Others.....	4	—	4	—	—	—	—	—
Total.....				—	—	—	247	203	450

TABLE 7. — *Race of First Admissions classified with Reference to Principal Psychoses for the year ending September 30, 1925.*

RACE	TOTAL			TRAUMATIC			SENILE			WITH CEREBRAL ARTERIO-SCLEROSIS			GENERAL PARALYSIS			WITH CEREBRAL SYPHILIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black).....	4	2	6	—	—	—	—	1	1	1	—	1	1	—	1	—	—	—
Armenian.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English.....	48	40	88	—	—	—	4	9	13	13	3	16	8	1	9	—	—	—
Finnish.....	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French.....	15	9	24	—	—	—	—	—	—	1	—	1	6	—	6	—	—	—
German.....	3	3	6	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Greek.....	5	2	7	—	—	—	—	—	—	1	—	1	1	—	1	—	—	—
Hebrew.....	8	14	22	—	—	—	—	1	1	—	—	—	—	1	1	—	—	—
Irish.....	62	45	107	2	—	2	2	5	7	10	6	16	4	—	4	—	—	—
Italian*.....	16	11	27	1	—	1	—	—	—	2	1	3	1	—	1	—	—	—
Lithuanian.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese.....	1	2	3	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Scandinavian†.....	6	8	14	—	—	—	—	—	—	1	—	1	2	—	2	—	—	—
Scotch.....	4	3	7	—	—	—	—	—	—	—	2	2	1	—	1	—	—	—
Slavonic‡.....	15	5	20	—	—	—	—	—	—	—	—	—	4	—	4	—	1	1
Syrian.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed.....	24	24	48	1	—	1	1	2	3	3	4	7	2	—	2	—	—	—
Race unascertained.....	31	33	64	—	—	—	1	7	8	8	5	13	3	2	5	—	—	—
Total.....	247	203	450	4	—	4	8	25	33	41	21	62	32	6	38	—	1	1

* Includes "North" and "South."

† Norwegians, Danes and Swedes.

‡ Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. — *Race of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925 — Continued.*

RACE	WITH HUNTING-TON'S CHOREA			WITH BRAIN TUMOR			WITH OTHER BRAIN OR NERVOUS DISEASES			ALCOHOLIC			DUE TO DRUGS AND OTHER EXOGENOUS TOXINS			WITH PELLAGRA		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English.....	—	—	—	—	—	—	2	1	3	1	—	1	—	—	—	—	—	—
Finnish.....	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
French.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
German.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek.....	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Hebrew.....	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Irish.....	—	—	—	—	—	—	1	1	2	13	—	13	—	—	—	1	—	1
Italian*.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian†.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic‡.....	—	—	—	—	—	—	—	—	—	5	—	5	—	—	—	—	—	—
Syrian.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed.....	—	—	—	—	—	—	2	—	2	4	—	4	—	—	—	—	—	—
Race unascertained.....	—	—	—	—	—	—	3	—	3	1	—	1	—	—	—	—	—	—
Total.....	—	—	—	—	—	—	8	3	11	26	—	26	—	—	—	1	—	1

* Includes "North" and "South."

† Norwegians, Danes and Swedes.

‡ Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. — *Race of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925 — Continued.*

RACE	WITH OTHER SOMATIC DISEASES			MANIC-DEPRESSIVE			INVOLUTION MELANCHOLIA			DEMENTIA PRÆCOX			PARANOIA AND PARANOID CONDITIONS			EPILEPTIC PSYCHOSES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black).....	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Armenian.....	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Dutch and Flemish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English.....	—	2	2	5	2	7	—	4	4	4	8	12	—	—	—	3	—	3
Finnish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French.....	—	—	—	—	4	4	—	—	—	2	2	4	—	—	—	—	—	—
German.....	—	—	—	—	1	1	—	—	—	—	—	1	—	—	—	—	—	—
Greek.....	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—	—	—	—
Hebrew.....	1	2	3	3	2	5	—	1	1	1	2	3	—	—	—	—	—	—
Irish.....	1	3	4	6	5	11	2	3	5	10	12	22	—	1	1	—	—	—
Italian*.....	—	1	1	—	2	2	—	—	—	2	2	4	—	—	—	—	—	—
Lithuanian.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian†.....	—	—	—	—	2	2	—	2	2	1	3	4	—	—	—	—	—	—
Scotch.....	—	—	—	—	1	1	—	—	—	1	—	1	—	1	1	—	—	—
Slavonic‡.....	—	—	—	—	2	1	3	—	—	1	—	1	—	—	—	—	—	—
Syrian.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed.....	—	—	—	—	2	2	—	5	5	8	6	14	—	—	—	1	—	1
Race unascertained.....	2	4	6	—	2	1	3	—	1	4	3	7	—	1	1	—	2	2
Total.....	6	12	18	21	22	43	2	16	18	39	38	77	1	3	4	4	2	6

* Includes "North" and "South."

† Norwegians, Danes and Swedes.

‡ Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. — *Race of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925 — Concluded*

RACE	PSYCHO-NEUROSES AND NEUROSES			WITH PSYCHOPATHIC PERSONALITY			WITH MENTAL DEFICIENCY			UNDIAGNOSED PSYCHOSES			WITHOUT PSYCHOSIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black).....	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Armenian.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish.....	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
English.....	—	—	—	—	—	—	2	1	3	5	9	14	1	—	1
Finnish.....	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
French.....	—	—	—	—	—	—	2	2	4	4	1	5	—	—	—
German.....	—	—	—	—	—	—	—	—	—	—	2	2	1	—	1
Greek.....	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—
Hebrew.....	—	—	—	—	—	—	—	1	1	3	3	6	—	—	—
Irish.....	—	—	—	—	—	—	2	2	4	7	7	14	1	—	1
Italian*.....	—	—	—	—	—	—	1	—	1	7	5	12	2	—	2
Lithuanian.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese.....	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—
Scandinavian†.....	—	—	—	—	—	—	—	—	—	2	1	3	—	—	—
Scotch.....	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Slavonic‡.....	—	—	—	—	—	—	—	—	—	3	3	6	—	—	—
Syrian.....	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Turkish.....	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Mixed.....	—	—	—	—	—	—	1	1	2	—	2	2	—	—	—
Race unascertained.....	1	—	1	1	—	1	2	3	5	2	4	6	1	—	1
Total.....	1	—	1	1	—	1	10	11	21	34	43	77	8	—	8

* Includes "North" and "South."

† Norwegians, Danes and Swedes.

‡ Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. — Age of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925.

PSYCHOSES	TOTAL			UNDER 15 YEARS			15-19 YEARS			20-24 YEARS			25-29 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	8	25	33	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arterio- sclerosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	41	21	62	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis ..	32	6	38	—	—	—	—	—	—	1	—	1	1	—	1
6. With Huntington's cho- rea	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or ner- vous diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	8	3	11	—	—	—	—	—	—	—	—	—	—	2	2
10. Due to drugs and other exogenous toxins	26	—	26	—	—	—	—	—	—	—	—	—	3	—	3
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic dis- eases	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	6	12	18	—	—	—	1	1	2	—	1	1	—	2	2
14. Involution melancholia ..	21	22	43	—	—	—	—	2	2	3	1	4	4	5	9
15. Dementia præcox	2	16	18	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia or paranoid conditions	39	38	77	—	—	—	—	2	2	14	5	19	9	6	15
17. Epileptic psychoses	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neu- roses	4	2	6	—	—	—	—	—	—	1	—	1	—	—	—
19. With psychopathic per- sonality	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
20. With mental deficiency ..	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses ..	10	11	21	—	—	—	2	1	3	—	1	1	4	3	7
22. Without psychosis	34	43	77	—	—	—	—	5	5	2	3	5	4	8	12
Total	8	—	8	—	—	—	2	—	2	—	—	—	3	—	3
Total	247	203	450	—	—	—	5	11	16	21	11	32	29	26	55

TABLE 8. — Age of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925 — Continued.

PSYCHOSES	30-34 YEARS			35-39 YEARS			40-44 YEARS			45-49 YEARS			50-54 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arterio- sclerosis	—	—	—	—	—	—	1	—	1	—	—	—	1	1	2
4. General paralysis	1	1	2	5	2	7	13	1	14	1	—	1	1	1	2
5. With cerebral syphilis ..	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
6. With Huntington's cho- rea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or ner- vous diseases	—	—	—	1	—	1	—	—	—	1	—	1	4	—	4
9. Alcoholic	2	—	2	5	—	5	5	—	5	5	—	5	3	—	3
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
12. With other somatic dis- eases	1	—	1	2	—	2	—	2	2	1	1	2	—	1	1
13. Manic-depressive	2	6	8	2	2	4	3	2	5	2	2	4	2	1	3
14. Involution melancholia ..	—	—	—	—	—	—	—	2	2	1	4	5	1	5	6
15. Dementia præcox	8	10	18	5	5	10	1	3	4	1	1	2	—	4	4
16. Paranoia or paranoid conditions	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—
17. Epileptic psychoses	1	—	1	—	1	1	—	—	—	—	—	—	—	1	1
18. Psychoneuroses and neu- roses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic per- sonality	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency ..	3	1	4	1	3	4	—	1	1	—	1	1	—	—	—
21. Undiagnosed psychoses ..	1	3	4	4	4	8	6	4	10	5	4	9	4	5	9
22. Without psychosis	1	—	1	1	—	1	—	—	—	1	—	1	—	—	—
Total	21	21	42	28	17	45	30	15	45	18	15	33	16	20	36

TABLE 8. — *Age of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925 — Concluded.*

PSYCHOSES	55-59 YEARS			60-64 YEARS			65-69 YEARS			70 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	1	—	1	—	—	—	1	—	1	—	—	—
2. Senile.....	—	—	—	1	1	2	3	3	6	4	21	25
3. With cerebral arteriosclerosis	1	2	3	9	2	11	9	6	15	20	10	30
4. General paralysis	3	1	4	4	—	4	2	—	2	—	—	—
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	1	2	—	—	—	—	—	—	1	—	1
9. Alcoholic.....	2	—	2	—	—	—	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	2	2	—	1	1	1	1	2	—	—	—
13. Manic-depressive.....	—	—	—	2	—	2	1	1	2	—	—	—
14. Involution melancholia.....	—	2	2	—	1	1	—	2	2	—	—	—
15. Dementia præcox.....	—	—	—	—	—	—	1	—	1	—	—	—
16. Paranoia or paranoid conditions.....	1	1	2	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	2	—	2	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses.....	3	4	7	2	1	3	3	2	5	—	—	—
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	14	15	29	18	6	24	22	15	37	25	31	56

TABLE 9. — Degree of Education of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925.

PSYCHOSES	TOTAL			ILLITERATE			READS AND WRITES*			COMMON SCHOOL			HIGH SCHOOL			COLLEGE			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	4	—	4	1	—	1	—	1	—	3	—	3	—	—	—	—	—	—	—	—	—
2. Senile.....	8	25	33	—	2	1	—	2	3	—	12	17	—	2	—	—	—	—	—	2	7
3. With cerebral arteriosclerosis.....	41	21	62	3	2	5	7	3	10	22	12	34	4	1	5	—	2	1	6	5	1
4. General paralysis.....	32	6	38	2	1	3	3	1	4	4	18	22	6	—	—	1	—	—	—	2	2
5. With cerebral syphilis.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	8	3	11	—	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	26	—	26	1	—	1	3	—	—	16	1	16	3	2	5	—	—	—	—	3	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	6	12	18	—	1	1	—	3	4	3	7	10	1	1	4	—	—	—	—	1	1
13. Manic-depressive.....	21	22	43	—	—	—	1	1	1	15	14	29	4	1	8	2	1	3	—	1	1
14. Involution melancholia.....	2	16	18	—	—	—	—	—	—	1	13	14	1	1	2	2	2	2	—	—	—
15. Dementia præcox.....	39	38	77	—	—	—	4	3	7	24	19	43	10	13	23	1	1	2	2	—	2
16. Paranoia or paranoid conditions.....	1	3	4	—	—	—	1	—	—	2	2	2	—	1	1	—	—	—	—	—	—
17. Epileptic psychoses.....	4	2	6	—	—	—	—	—	—	1	—	3	—	—	—	2	—	—	—	1	1
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	10	11	21	2	3	5	2	1	3	6	4	10	—	1	1	—	—	—	—	—	2
21. Undiagnosed psychoses.....	34	43	77	1	4	5	5	3	8	18	24	42	5	8	13	1	1	2	4	3	7
22. Without psychosis.....	8	—	8	3	—	3	2	—	2	3	—	3	—	—	—	—	—	—	—	—	—
Total.....	247	203	450	13	14	27	29	17	46	142	113	255	38	34	72	7	7	14	18	18	36

* Includes those who did not complete fourth grade in school.

TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925.*

PSYCHOSES	TOTAL			URBAN			RURAL			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	4	—	4	4	—	4	—	—	—	—	—	—
2. Senile.....	8	25	33	8	22	30	—	3	3	—	—	—
3. With cerebral arteriosclerosis.....	41	21	62	39	19	58	2	2	4	—	—	—
4. General paralysis.....	32	6	38	31	6	37	—	—	—	1	—	1
5. With cerebral syphilis.....	—	1	1	—	1	1	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	8	3	11	8	2	10	—	—	—	—	1	1
9. Alcoholic.....	26	—	26	26	—	26	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	1	—	1	1	—	1	—	—	—	—	—	—
12. With other somatic diseases.....	6	12	18	6	12	18	—	—	—	—	—	—
13. Manic-depressive.....	21	22	43	21	21	42	—	1	1	—	—	—
14. Involution melancholia.....	2	16	18	2	16	18	—	—	—	—	—	—
15. Dementia præcox.....	39	38	77	35	37	72	4	1	5	—	—	—
16. Paranoia or paranoid conditions.....	1	3	4	1	2	3	—	1	1	—	—	—
17. Epileptic psychoses.....	4	2	6	4	2	6	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	1	—	1	1	—	1	—	—	—	—	—	—
19. With psychopathic personality.....	1	—	1	1	—	1	—	—	—	—	—	—
20. With mental deficiency.....	10	11	21	10	11	21	—	—	—	—	—	—
21. Undiagnosed psychoses.....	34	43	77	33	41	74	—	2	2	1	—	1
22. Without psychosis.....	8	—	8	8	—	8	—	—	—	—	—	—
Total.....	247	203	450	239	192	431	6	10	16	2	1	3

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925.*

PSYCHOSES	TOTAL			DEPENDENT			MARGINAL			COMFORTABLE			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	4	—	4	—	—	—	4	—	4	—	—	—	—	—	—
2. Senile.....	8	25	33	4	7	11	3	9	12	1	7	8	—	2	2
3. With cerebral arteriosclerosis.....	41	21	62	8	1	9	30	7	37	2	11	13	1	2	3
4. General paralysis.....	32	6	38	2	1	3	29	3	32	—	2	2	1	—	1
5. With cerebral syphilis.....	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	8	3	11	1	—	1	7	2	9	—	1	1	—	—	—
9. Alcoholic.....	26	—	26	1	—	1	22	—	22	3	—	3	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
12. With other somatic diseases.....	6	12	18	1	1	2	4	6	10	1	4	5	—	1	1
13. Manic-depressive.....	21	22	43	—	2	2	16	14	30	5	6	11	—	—	—
14. Involution melancholia.....	2	16	18	—	1	1	1	7	8	1	8	9	—	—	—
15. Dementia præcox.....	39	38	77	4	2	6	33	21	54	2	15	17	—	—	—
16. Paranoia or paranoid conditions.....	1	3	4	—	—	—	1	2	3	—	1	1	—	—	—
17. Epileptic psychoses.....	4	2	6	1	—	1	1	2	3	1	—	1	1	—	1
18. Psychoneuroses and neuroses.....	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
20. With mental deficiency.....	10	11	21	3	2	5	7	6	13	—	2	2	—	1	1
21. Undiagnosed psychoses.....	34	43	77	1	5	6	31	25	56	1	12	13	1	1	2
22. Without psychosis.....	8	—	8	4	—	4	3	—	3	1	—	1	—	—	—
Total.....	247	203	450	31	22	53	194	105	299	18	69	87	4	7	11

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925.*

PSYCHOSES	TOTAL			ABSTINENT			TEMPERATE			INTEMPERATE			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	4	—	4	1	—	1	2	—	2	1	—	1	—	—	—
2. Senile.....	8	25	33	5	21	26	2	—	2	1	—	1	—	4	4
3. With cerebral arteriosclerosis.....	41	21	62	27	18	45	7	1	8	6	—	6	1	2	3
4. General paralysis.....	32	6	38	14	4	18	9	—	9	7	—	7	2	2	4
5. With cerebral syphilis.....	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	8	3	11	1	3	4	4	—	4	3	—	3	—	—	—
9. Alcoholic.....	26	—	26	1	—	1	1	—	1	24	—	24	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
12. With other somatic diseases.....	6	12	18	4	6	10	2	3	5	—	—	—	—	3	3
13. Manic-depressive.....	21	22	43	15	18	33	6	2	8	—	—	—	—	2	2
14. Involution melancholia.....	2	16	18	1	15	16	1	1	2	—	—	—	—	—	—
15. Dementia præcox.....	39	38	77	27	34	61	9	2	11	3	1	4	—	1	1
16. Paranoia or paranoid conditions	1	3	4	1	2	3	—	—	—	—	—	—	—	1	1
17. Epileptic psychoses.....	4	2	6	2	2	4	1	—	1	—	—	—	1	—	1
18. Psychoneuroses and neuroses.....	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
19. With psychopathic personality.....	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	10	11	21	8	7	15	1	3	4	—	—	—	1	1	2
21. Undiagnosed psychoses.....	34	43	77	19	33	52	7	3	10	7	4	11	1	3	4
22. Without psychosis.....	8	—	8	5	—	5	2	—	2	1	—	1	—	—	—
Total.....	247	203	450	132	163	295	55	15	70	54	6	60	6	19	25

TABLE 13. -- *Marital Condition of First Admissions classified with Reference to Principal Psychoses for the Year ending September 30, 1925.*

PSYCHOSES	TOTAL			SINGLE			MARRIED			WIDOWED			SEPARATED			DIVORCED			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	4	—	4	1	—	1	1	—	1	2	—	2	—	—	—	—	1	—	—	—	—
2. Senile.....	8	25	33	3	7	10	3	3	6	—	1	13	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	41	21	62	9	3	12	18	4	22	11	14	25	—	—	—	—	—	—	—	—	—
4. General paralysis.....	32	6	38	8	—	8	23	4	27	1	2	3	1	1	—	—	—	—	—	—	—
5. With cerebral syphilis.....	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	8	3	11	3	—	3	3	2	5	1	1	2	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	26	—	26	12	—	12	13	—	13	1	—	1	—	—	—	—	1	—	—	1	—
9. Alcoholic.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	6	12	18	—	—	—	3	—	—	1	1	2	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	21	22	43	8	9	17	12	10	22	3	3	3	—	—	—	1	—	—	—	—	—
13. Manic-depressive.....	2	16	18	—	1	1	1	1	12	1	1	2	2	2	—	—	—	—	—	—	—
14. Involution melancholia.....	39	38	77	33	19	52	5	15	20	1	4	5	—	—	—	—	—	—	—	—	—
15. Dementia præcox.....	1	3	4	1	—	1	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia or paranoid conditions.....	4	2	6	2	1	3	1	1	2	—	—	—	—	—	—	1	—	—	—	—	—
17. Epileptic psychoses.....	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	10	11	21	10	4	14	—	7	7	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	34	43	77	9	15	24	17	24	41	6	4	10	—	—	—	1	—	—	—	1	—
21. Undiagnosed psychoses.....	—	—	—	6	—	6	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis.....	8	—	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	247	203	450	109	60	169	103	95	198	26	43	69	1	2	3	6	3	9	2	—	2

TABLE 14. — *Psychoses of Readmissions for the Year ending September 30, 1925.*

PSYCHOSES		M.	F.	T.
1. Traumatic psychoses.....	—	—	—	—
2. Senile psychoses.....	—	1	1	2
3. Psychoses with cerebral arteriosclerosis.....	3	5	8	13
4. General paralysis.....	4	1	5	9
5. Psychoses with cerebral syphilis.....	—	—	—	—
6. Psychoses with Huntington's chorea.....	1	—	1	2
7. Psychoses with brain tumor.....	—	—	—	—
8. Psychoses with other brain or nervous diseases.....	—	—	—	—
9. Alcoholic psychoses.....	10	2	12	22
10. Psychoses due to drugs and other exogenous toxins.....	—	—	—	—
11. Psychoses with pellagra.....	—	—	—	—
12. Psychoses with other somatic diseases.....	1	—	1	2
13. Manic-depressive psychoses.....	12	26	38	76
14. Involution melancholia.....	—	4	4	8
15. Dementia præcox.....	20	17	37	57
16. Paranoia and paranoid conditions.....	1	2	3	4
17. Epileptic psychoses.....	—	1	1	2
18. Psychoneuroses and neuroses.....	3	—	3	6
19. Psychoses with psychopathic personality.....	—	1	1	2
20. Psychoses with mental deficiency.....	5	3	8	13
21. Undiagnosed psychoses.....	4	4	8	16
22. Without psychosis.....	1	—	1	2
Total.....	65	67	132	264

TABLE 15. — *Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge for the Year ending September 30, 1925.*

PSYCHOSES	TOTAL			RECOVERED			IMPROVED			UNIMPROVED			NOT INSANE		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	2	—	2	1	—	1	1	1	—	—	—	—	—	—	—
2. Senile.....	2	2	4	—	—	—	2	2	4	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	6	9	15	—	—	—	5	9	14	1	—	1	—	—	—
4. General paralysis.....	5	5	10	—	—	—	4	3	7	1	2	3	—	—	—
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	3	4	7	—	—	—	3	3	6	—	1	1	—	—	—
9. Alcoholic.....	42	3	45	14	1	15	28	2	30	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	4	6	10	—	—	—	4	4	8	—	2	2	—	—	—
13. Manic-depressive.....	25	37	62	1	1	2	23	32	55	1	4	5	—	—	—
14. Involution melancholia.....	1	6	7	—	1	1	1	5	6	—	—	—	—	—	—
15. Dementia præcox.....	30	27	57	—	—	—	23	18	41	7	9	16	—	—	—
16. Paranoia or paranoid conditions.....	7	2	9	—	—	—	7	2	9	—	—	—	—	—	—
17. Epileptic psychoses.....	1	1	2	—	—	—	1	1	2	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	2	2	4	—	—	—	2	2	4	—	—	—	—	—	—
19. With constitutional psychopathic inferiority.....	2	3	5	—	—	—	1	3	4	1	—	1	—	—	—
20. With mental deficiency.....	6	11	17	—	—	—	6	9	15	—	1	1	—	1	1
21. Undiagnosed psychoses.....	16	7	23	3	—	3	11	6	17	1	1	2	1	—	1
22. Not insane.....	12	5	17	—	—	—	2	2	4	2	—	2	8	3	11
Total.....	169	130	299	19	3	22	127	103	230	14	20	34	9	4	13

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses for the Year ending September 30, 1925.*

CAUSES OF DEATH	TOTAL			SENILE			WITH CEREBRAL ARTERIO-SCLEROSIS			GENERAL PARALYSIS			ALCOHOLIC			MANIC-DEPRESSIVE			INVOLUTION-MELAN-CHOLIA			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>General Diseases</i>																						
Erysipelas.....	1	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Lethargic encephalitis.....	—	3	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Septicæmia.....	3	3	2	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Pellagra.....	2	7	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of lungs.....	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syphilis (non-nervous forms).....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cancer.....	1	5	6	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes.....	—	3	3	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other general diseases.....	3	3	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Nervous System</i>																						
General paralysis of insane.....	32	5	37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-spinal syphilis.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exhaustion from other mental diseases.....	6	7	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of brain.....	—	4	4	—	—	—	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Epilepsy.....	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chorea.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of nervous system.....	10	18	28	1	11	12	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Circulatory System</i>																						
Endocarditis and myocarditis.....	13	8	21	1	1	2	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis.....	28	31	59	3	10	13	19	12	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of circulatory system.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Respiratory System</i>																						
Bronchopneumonia.....	9	14	23	1	—	1	4	—	4	—	1	1	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia.....	1	3	4	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Digestive System</i>																						
Diarrhea and enteritis.....	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Genito-Urinary System</i>																						
Acute nephritis.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chronic nephritis.....	4	2	6	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Violence																						
Suicide.....	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	124	120	244	7	26	33	30	22	52	33	6	39	2	1	3	11	8	19	1	10	11	—

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses for the Year ending September 30, 1925.* — Concluded.

CAUSES OF DEATH	DEMENTIA PRÆCOX			PARANOIA OR PARANOID CONDITIONS			EPILEPTIC PSYCHOSES			PSYCHO-NEUROSES AND NEUROSES			WITH PSYCHOPATHIC PERSONALITY			WITH MENTAL DEFICIENCY			ALL OTHER PSYCHOSES*		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>General Diseases</i>																					
Erysipelas.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lethargic encephalitis.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Septicæmia.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute articular rheumatism.....	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	4
Tuberculosis of lungs.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other forms of tuberculosis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syphilis (non-nervous forms).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cancer.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tumor (non-cancerous).....	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other general diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	1	4
<i>Nervous System</i>																					
General paralysis of insane.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-spinal syphilis.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Exhaustion from other mental diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3	6
Brain tumor.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—
Other diseases of brain.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Epilepsy.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chorea.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	8
Other diseases of nervous system.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Circulatory System</i>																					
Endocarditis and myocarditis.....	2	—	2	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	4	3	7
Arteriosclerosis.....	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3
Other diseases of circulatory system.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Respiratory System</i>																					
Bronchopneumonia.....	1	8	9	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3
Lobar pneumonia.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Digestive System</i>																					
Diarrhea and enteritis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Genito-Urinary System</i>																					
Acute nephritis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chronic nephritis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3
<i>Violence</i>																					
Suicide.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Total.....	10	21	31	1	2	3	—	2	2	—	—	—	—	—	—	1	2	3	30	20	50

* Includes group 22 "without psychosis."

TABLE 17.—*Age of Patients at Time of Death classified with Reference to Principal Psychoses for the Year ending September 30, 1925.*

PSYCHOSES	TOTAL			5 UNDER 15 YEARS			15-19 YEARS			20-24 YEARS			25-29 YEARS			30-34 YEARS			35-39 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	7	26	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	30	22	52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis.....	33	6	39	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	4	1	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	9	8	17	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	1	1
13. Manic-depressive.....	7	7	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14. Involution melancholia.....	1	10	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia præcox.....	10	21	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia or paranoid conditions.....	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses.....	14	9	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	124	120	244	—	—	—	1	—	1	1	2	3	2	3	5	5	4	9	11	7	18

TABLE 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses for the Year ending September 30, 1925 — Concluded.

PSYCHOSES	40-44 YEARS			45-49 YEARS			50-54 YEARS			55-59 YEARS			60-64 YEARS			65-69 YEARS			70 YEARS AND OVER		
	M.		T.	M.		T.	M.		T.	M.		T.	M.		T.	M.		T.	M.		T.
	F.	T.		F.	T.		F.	T.		F.	T.		F.	T.		F.	T.		F.	T.	
1. Traumatic.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1	1	4	1
2. Senile.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4	25	4	29
3. With cerebral arteriosclerosis.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	6	12	24	36
4. General paralysis.....	7	1	8	5	-	5	2	1	1	-	-	5	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases.....	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic.....	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
10. Due to drugs and other exogenous toxins.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases.....	1	-	1	-	-	-	1	-	1	-	-	3	-	-	-	3	-	-	1	1	2
13. Manic-depressive.....	1	-	1	-	1	1	1	-	1	-	-	1	-	-	-	1	1	1	1	1	2
14. Involution melancholia.....	-	1	1	-	2	3	3	3	3	-	-	3	-	-	-	1	3	4	1	3	4
15. Dementia præcox.....	2	-	2	1	4	5	2	2	4	1	1	2	-	-	-	1	3	1	-	-	-
16. Paranoia or paranoid conditions.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency.....	-	1	1	1	3	6	2	2	4	2	1	3	-	-	-	2	-	-	1	1	2
21. Undiagnosed psychoses.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total.....	11	4	15	10	10	20	12	10	22	12	9	21	7	11	18	17	15	32	35	45	80

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Principal Psychoses for the Year ending September 30, 1925.*

PSYCHOSES	TOTAL			LESS THAN 1 MONTH			1-3 MONTHS			4-7 MONTHS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	2	—	2	—	—	—	1	—	1	—	—	—
2. Senile.....	7	26	33	1	5	6	2	5	7	—	2	2
3. With cerebral arteriosclerosis.....	30	22	52	11	7	18	5	4	9	4	1	5
4. General paralysis.....	33	6	39	7	1	8	5	1	6	8	—	8
5. With cerebral syphilis.....	—	1	1	—	1	1	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	1	5	3	—	3	—	1	1	1	—	1
9. Alcoholic.....	2	1	3	—	1	1	1	—	1	1	—	1
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	1	—	1	1	—	1	—	—	—	—	—	—
12. With other somatic diseases.....	9	8	17	7	4	11	2	3	5	—	—	—
13. Manic-depressive.....	7	8	15	2	2	4	2	1	3	—	—	—
14. Involution melancholia.....	1	10	11	—	2	2	—	2	2	—	1	1
15. Dementia præcox.....	10	21	31	—	—	—	—	—	—	1	—	1
16. Paranoia or paranoid conditions	1	2	3	—	—	—	—	—	—	—	1	1
17. Epileptic psychoses.....	—	2	2	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	1	2	3	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses.....	14	9	23	9	6	15	1	—	1	1	1	2
22. Without psychosis.....	1	1	2	1	—	1	—	—	—	—	—	—
Total.....	124	120	244	42	29	71	19	17	36	16	6	22

TABLE 18 — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Principal Psychoses for the Year ending September 30, 1925 — Concluded.*

PSYCHOSES	8-12 MONTHS			1-2 YEARS			3-4 YEARS			5-10 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	1	—	1	—	—	—	—	—	—
2. Senile.....	1	2	3	2	3	5	1	4	5	—	4	4
3. With cerebral arteriosclerosis.....	3	2	5	6	3	9	—	3	3	1	2	3
4. General paralysis.....	3	—	3	8	2	10	1	2	3	—	—	—
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	—	—	1	1	—	—	—	—	—	—	—
13. Manic-depressive.....	1	—	1	—	1	1	1	1	2	—	—	—
14. Involution melancholia.....	—	—	—	—	2	2	—	—	—	1	2	3
15. Dementia præcox.....	—	—	—	—	3	3	1	1	2	3	7	10
16. Paranoia or paranoid conditions	—	—	—	—	—	—	—	—	—	1	—	1
17. Epileptic psychoses.....	—	1	1	—	1	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	—	—	—	—	1	1	—	1	1	1	—	1
21. Undiagnosed psychoses.....	—	—	—	1	1	2	—	—	—	1	—	1
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	9	5	14	18	18	36	4	12	16	8	15	23

TABLE 18 — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Principal Psychoses for the Year ending September 30, 1925—Concluded.*

PSYCHOSES	11-14 YEARS			15-19 YEARS			20 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—
2. Senile.....	—	—	—	—	1	1	—	—	—
3. With cerebral arteriosclerosis.....	—	—	—	—	—	—	—	—	—
4. General paralysis.....	1	—	1	—	—	—	—	—	—
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	—	—	—	—	—	—	—	—
13. Manic-depressive.....	—	—	—	—	2	2	1	1	2
14. Involution melancholia.....	—	—	—	—	—	—	—	1	1
15. Dementia præcox.....	1	1	2	1	2	3	3	7	10
16. Paranoia or paranoid conditions.....	—	—	—	—	1	1	—	—	—
17. Epileptic psychoses.....	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses.....	—	1	1	—	—	—	1	—	1
22. Without psychosis.....	—	—	—	—	1	1	—	—	—
Total.....	2	2	4	1	7	8	5	9	14

TABLE 19. — *Family Care.*

	M.	F.	T.
Remaining September 30, 1924.....	—	18	18
Admitted.....	—	2	2
Whole number within year.....	—	20	20
Dismissed.....	—	—	—
Returned to institution.....	—	2	2
Discharged.....	—	—	—
Died.....	—	1	1
On visit.....	—	—	—
On escape.....	—	—	—
Remaining September 30, 1925.....	—	17	17
State.....	—	14	14
Private.....	—	3	3
Self-supporting.....	—	—	—
Daily average number.....	—	17.98	17.98
State.....	—	13.75	13.75
Private.....	—	4.23	4.23
Self-supporting.....	—	—	—

The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1926

DEPARTMENT OF MENTAL DISEASES



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GARDNER, MASS.

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OF THE
DANVERS STATE HOSPITAL

NOVEMBER 30, 1926

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The Commonwealth of Massachusetts
TRUSTEES' REPORT

To His Excellency the Governor and the Honorable Council:

Pursuant to statutory provision, the Trustees of the Danvers State Hospital submit their forty-ninth annual report together with the reports of the Superintendent and Treasurer and the statistics required by law.

Mrs. Louise M. Porter of Peabody was appointed Trustee, vice Mrs. Anna M. Flagg of Andover.

In the Superintendent's report there are tables which show in detail what has taken place in the Hospital during the past year. It will be noted that the medical service has been an active one, there having been admitted for the first time six

hundred eighty-three new patients from the community which the Hospital serves. There have been numerous changes in the personnel of the medical staff during the year. Of special interest is the appointment of Dr. W. Franklin Wood as Assistant Superintendent, March 21, 1926, to succeed Dr. Edgar Maule Blew, who resigned as Assistant Superintendent February 6, 1926.

The Legislature of 1926 made available to this Hospital special appropriations as follows:

Construction of verandas on Buildings C and H.....	\$50,000
Construction of a garage extension, including space for housing fire-fighting equipment.....	5,000

The Board of Trustees invites attention to definite needs that should be met in the near future to assure satisfactory care of patients and efficient administration of the Hospital. Additional quarters are necessary to suitably house nursing personnel. There is need of renovating the service wing of the administration building to provide a modern kitchen to take the place of the one that has been in use since the opening of the Hospital and is now wholly inadequate to satisfactorily care for the preparation of food. An industrial building is required to house industries now unsatisfactorily located in the old power plant. Provision for a new industrial building will make possible the first step in a study planned to revamp the rear center of the administration building. Remodelling the old gas house will provide for a small number of patients and employees engaged in farming activities at a minimum of expense.

Respectfully submitted,
 S. HERBERT WILKINS, WILLIAM W. LAWS
 ARTHUR C. NASON, M.D., LOUISE M. PORTER
 JAMES F. INGRAM ANNA P. MARSH
 SAMUEL COLE.

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The forty-ninth annual report of the Superintendent covering the operation of the hospital for the fiscal year ending November 30, 1926, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period included within the year ending September 30, 1926.

MOVEMENT OF POPULATION

The hospital year began October 1, 1925, with 1684 patients in the hospital, 340 on visit, 24 on escape, and 17 in family care, a total of 2065 and a decrease of 14 over the preceding year.

The year ended September 30, 1926, with 1716 patients in the hospital, 292 on visit, 28 on escape, and 18 in family care, a total of 2054 patients.

Admissions for the year numbered 683, a decrease of 35 as compared with the previous year.

Male admissions for the hospital year ending September 30, 1926, 356; for the same period in 1925, 396; showing a decrease of 40.

Female admissions for the hospital year ending September 30, 1926, 327; for the same period in 1925, 322; showing an increase of 5.

Voluntary patients admitted: Male 1; Female 2.

Temporary Care patients admitted: Male 212; Female 182; a decrease of 8.

Admitted by transfer from other hospitals: Male 7; Female 10; a decrease of 3.

FIRST ADMISSIONS

The number of patients admitted for the first time to this or any mental hospital: Male 272; Female 259; total 531, compared to a total of 540 last year, showing a decrease of 9.

DAILY POPULATION

The daily average population was 1684; a decrease of 21. The whole number treated during the year was 2748, 49 less than the preceding year.

The death rate for the year was 224 as against 244 the preceding year, an average of 8% on the basis of total number of cases under treatment.

DISMISSALS

There were 362 males and 298 females, with a total of 660, dismissed during the year.

There were discharged as recovered 51, as compared to 22 in 1925; as improved 249, as compared to 230 in 1925; as not improved 39, as compared to 34 in 1925; as not insane 45, as compared to 13 in 1925; and there were on visit 292, as compared to 340 in 1925.

Since the organization of the hospital 26,677 patients have been admitted and 24,475 discharged.

EX-SERVICE MEN UNDER CARE

OCT. 1, 1925 TO SEPT. 30, 1926

No. of First Admissions, 39; No. of Re-admissions, 11; No. of Return Visits, 14; No. of Return Escapes, 6; No. Discharged, 10; No. Discharged by Death, 5; No. on Visit, 33; No. Transferred, 2; No. Removed from List, 6; No. on Escape, 9. Total number in hospital October 1, 1925, 39; Total number admitted during the year, 70; Total number discharged during the year 65; Total number in the hospital September 30, 1926, 44; Total number treated during the year, 109.

MEDICAL ADMINISTRATION

The following changes in the personnel of the Staff occurred during the year:

Appointments

Dr. Sigmund P. Rose, resident dentist, appointed February 15, 1926.

Dr. W. Franklin Wood, assistant superintendent, appointed March, 21, 1926.

Dr. Gerald F. Houser, assistant physician, appointed July 1, 1926.

Dr. Heber F. Teney, assistant physician, appointed July 1, 1926.

Dr. Dupre M. Hall, senior assistant physician, appointed October 3, 1926.

Resignations

Dr. Edgar Maule Blew, assistant superintendent, resigned February 6, 1926.

Dr. L. Raymond Morrison, pathologist, resigned July 3, 1926.

Dr. Gerard Cote, assistant physician, resigned August 9, 1926.

Dr. Georges H. Lussier, assistant physician, resigned November 11, 1926.

STUDENT INTERNES

We feel the service rendered by the undergraduates in medicine acting as Internes during the summer months is of value. They not only assist in the routine work on the wards and in the laboratory, but also stimulate the members of the regular Staff to investigate the latest methods in the diagnosis and treatment of disease. It also interests medical students in the specialized work of Psychiatry and to later enter this field of work.

The following students served through the summer months of 1926:

Mr. William Harold Gavsie, June 1, 1926 to September 4, 1926.

Mr. Myron J. Fox, June 2, 1926 to September 17, 1926.

Mr. Francis S. Dunne, June 3, 1926 to September 14, 1926.

Mr. Edward M. Smith, June 8, 1926 to September 30, 1926.

Miss Katharine G. Dodge, July 1, 1926 to August 15, 1926.

PUBLIC SCHOOL CLINICS

This work has been carried on by Dr. Charles L. Clay, with the assistance of a social worker and a psychologist. This clinic has been able to complete the schools and send in the reports for all requests received. The clinic is of great importance

and every town should avail itself of the service which is rendered without cost to the community. After the survey the school board is in a position to start the special classes and give the proper training to the pupils who are in need of it.

COMMUNITY CLINICS

Evening clinics are held in different cities every Wednesday evening during the year. The cities visited are Newburyport, Salem, Haverhill, Gloucester, Lynn, and Malden, and once every seven weeks at Lawrence on Tuesday evening. All patients on visit from the hospital are sent a notice when the clinic is to meet in a city near their home, requesting them to call and see the physician.

These clinics are also for service to any practicing physician. He may bring or send a patient and if he so desires a report and recommendation will be mailed him concerning his patient.

These clinics are very well attended and it is interesting to see how readily the out-patients report to talk over their problems with the physician. The knowledge that the physician will be in the city on a certain night to advise with them helps the patient regain confidence and stimulates him to the utmost.

This work is exceedingly interesting to the physician, enabling him to follow his cases along and watch them adjust themselves in the community and take their places in society again.

The physician is assisted by a member of the social service department.

MEDICAL WORK

The regular work at the hospital has been maintained at a high standard. Within twenty-four hours after admission the patients receive a complete physical examination and such laboratory tests as required; a neurological and mental examination, with the presentation at Staff Conference for diagnosis, discussion, and general study is the routine procedure on all cases.

Cases are again presented at Staff Conference to discuss advisability of discharge on trial visit. At this time not only the patient's physical and mental condition, but their environment, supervision, and general care in the community are discussed.

The regular laboratory tests are carried out. All patients are vaccinated against typhoid and small pox and those showing positive Shick reactions are given the toxin-antitoxin to protect them against diphtheria.

Special treatment for luetic cases under the direction of Dr. Charles L. Clay has been used on all cases suffering from this disease. Very good results have been obtained. The detailed report is under compilation by the physician in charge.

All female patients receive special examination by Dr. Lillian G. Moulton of the hospital Staff.

The patients receive the benefit of the advice and care of the consultant Staff. There were 3 nose and throat operations, and 18 major operations besides minor operations and treatments during the past year.

LABORATORY

The hospital has been without a pathologist since Dr. L. Raymond Morrison resigned, because of ill health. Mrs. Stevenson, the technician, however, has carried on the routine work very efficiently and various members of the medical Staff have supervised the research and special work.

ENTERTAINMENTS

The patients have enjoyed dances and motion picture entertainments each week during the fall and winter. In the summer base ball games, athletic games, and walks have been participated in by both patients and employees.

Fourth of July was pleasantly celebrated by the patients. In the morning were

competitive games and races. Dinner consisting of fresh salmon, green peas, new potatoes, and watermelon was served at two o'clock. In the afternoon, the patients enjoyed a ball game between the staff and the employees.

Extra entertainment and celebrations were carried on during Christmas week. The wards were prettily decorated with greens, colored lights, and crepe paper, the patients doing a great deal of the decorating. Colored lights were hung on the wards and corridors as well as along the walks leading up to the hospital. Two large trees were placed on the front lawns, one on the male and the other on the female side. These trees were trimmed with colored lights and a large star was placed on the top of each. These trees not only could be seen by all in the hospital but also gave a cheerful appearance from the main highway. The electrical effects were arranged by Mr. Suel Stevens, the head electrician.

The Essex County Branch of the Women's Auxiliary of the American Legion gave the hospital a Stromberg-Carlson radio set and loud speakers installed by Trotter and Phalen of Salem. Mrs. Wright of Danvers deserves great credit for her efforts in interesting the ladies of her organization to make the War Veterans and the hospital such a practical gift. This donation helped make Christmas more cheerful by arriving at this season.

The hospital orchestra made up of patients and employees under the personal direction of Mr. Carl Peterson, have furnished music for two meals a day in the large dining room as well as for the dances and moving picture entertainments. There is no question how much the music means to the patients and is greatly enjoyed at all times.

IMPROVEMENTS

Under the direction of the Foreman Mechanic, Mr. Carlton B. Mosher, the following improvements have been completed:

A cottage moved from Dayton Street has been completely remodeled and is now occupied by female clerks and employees;

Two fire towers attached to the female nurses' home;

Completion of the garage extension, the upper floor to house the fire truck and other fire fighting equipment, the lower floor for space for employees' private cars.

A fire tower completed on the rear center, the entrances from the patients' dining room and the living quarters on the third and fourth floors;

The vegetable storage building was completed and the surplus farm products were stored for winter consumption;

Verandas were started on the "C" and "H" buildings, fire towers on the "A" and "J" annexes, and a fire tower at Grove Hall.

In addition to these large projects, the regular repairs throughout the institution have been carried on.

FARM

The farm under the direction of Mr. William Gordon produced very good crops. Some of the surplus was stored in the new vegetable storehouse.

Some of the things raised on the farm this year were: 5,486 bu. Potatoes; 1,962 bu. Turnips; 39½ tons Cabbage; 953 bu. Carrots; 256 bu. Parsnips; 2,301 lbs. Strawberries; 564 tons Ensilage corn; 339 tons Hay; 410,691 quarts Milk.

Not only does the farm supply the patients with fresh pure food but it furnishes an occupation for a large number of patients and is a very important department of the hospital.

OUR NEEDS

While the new sunparlors will relieve to a slight degree the overcrowding of some of the wards, it becomes more marked each year the necessity of providing an up-to-date acute treatment building.

This hospital serves a large area in the northern part of Massachusetts and it is only fair that the citizens of this section should have available an up-to-date

building fully equipped with a modern hydrotherapy suite, laboratory, etc., for the care and treatment of the acute cases.

It has been fully demonstrated in the treatment of nervous cases and mild mental cases that separation from the continued treatment cases shortens the hospital stay of the acute cases greatly. This building should also be so planned as to provide a section for sick employees and also for the care of surgical cases. It is not for the best interests of our employees or severely ill patients for them to be cared for on the wards where noisy and disturbed patients are housed, as is necessary at the present time. In so doing we subject them to unnecessary annoyances that prolong their convalescence. This building should be planned so as it would care for at least 200 male and 200 female patients.

With the great increase in patients cared for compared to what was planned originally, the hospital has entirely outgrown the kitchen and dining room accommodations. The old boiler house could be remodeled into up-to-date kitchens, bakery, etc., and the present kitchens and bakery remodeled into up-to-date dining rooms for employees and patients, thus eliminating some of the ward dining rooms. The present congregate dining room could then be utilized for living quarters for employees. At the present time many of our best employees must live in the attics, in poorly lighted and poorly ventilated rooms. These quarters could be eliminated by the above plan.

The female Nurses' Home houses only one-half of the female nurses and with plans for affiliated courses the need for another female home is extremely great. By moving fifty female nurses from rooms on the wards, we would have more space for patients and allow us to do away with some of the many cots that have to be set up and put away 365 nights and mornings during the year.

This hospital received 683 new cases this year and treated 2,748 patients. It is necessary that a sufficient number and properly trained medical men be on the Staff to care for these sick human beings. The salaries are lower than most States in this region. If we cannot offer large salaries we certainly should offer attractive living conditions. To expect a man who has spent six years preparing to be a physician to live with his wife in one room and use a bathroom with four other people is not reasonable.

We should have at least three physicians' cottages. If attractive living accommodations are offered we will receive applications from married men of a high type who come to make the hospital their home and have the interest of the institution at heart rather than having men come to earn a little money and get the training then go to another State where more attractive living conditions and salaries are offered. If we cannot have both, let us have the more attractive living accommodations for the medical staff.

This hospital is over two miles from Danvers and six miles from Salem. There are no provisions made for the employees in regard to recreation. Many institutions and business concerns realize that the health and happiness of employees is very important to the organization and favors more efficient service. A Club House with reading rooms, canteen, bowling alleys, pool tables, and gymnasium is certainly needed at this institution. The dues from the members including all employees plus the profits from the canteen would pay interest on the money invested; and pay some off on the principal each year. In a few years the entire principal would be paid back, thus not costing the Commonwealth anything and furnishing clean amusement and pleasure to a large number of State employees.

RELIGIOUS SERVICES

Religious services have been held regularly throughout the year. The Catholic clergyman held services in the morning, and the Protestant clergyman in the afternoon. Services were held at the Middleton Colony one Sunday each month. The Jewish Rabbi from Boston called once a month thru the year to hold services

for those of the Hebrew faith.

Sick calls have been faithfully answered by all clergymen, day or night as the occasion arose.

ACKNOWLEDGMENTS

The following friends of the hospital have generously contributed money, fruit, candy, clothing, books, etc., for the entertainment of the patients. To these good friends I wish to extend our deep appreciation:—Mrs. Rufus B. Herrick, Winchester Mr. E. B. Kiely, Lynn; Mr. Frank A. Manny, Boston; Miss Mary E. Moloy; Mr. Irving Hartwell, Salem; Mrs. Jennie Gerber, Lynn; Dr. L. Vernon Briggs, Boston; Mrs. Robert L. O'Brien, Chairman, D. V. X. R. C., Boston; Mrs. G. M. Bowditch, Chelsea; Mr. Edward A. Lawlor, Gilbert Hood Grammar School, Lawrence; Mr. Robert Fall, Arlington; Miss Theresa Martini, Haverhill; Mr. Herbert Fanning, Salem; Mr. B. M. Paul, Swampscott; Mrs. A. E. Liebsch, Salem; Mrs. Charlotte Wheeler, Newburyport; Rev. Arthur Barber, Lawrence; The Community Service, Boston; Mrs. Edith J. Pike, Boston; Mr. Harry Saunders, Lynn; Mr. William L. Colclough; Mr. and Mrs. Adolph St. Linger, Lawrence; Miss Mary Kelly, Boston; Mr. and Mrs. Lorrain Duncan, Andover; Mrs. Sarah Kelley, East Lynn; Miss Elizabeth Hernas, Bedford; Dr. Otis F. Kelly, Brighton; Mr. Thomas Keppie Lawrence; Mr. Robert Wiseman; Mrs. Armand Nelson, Everett; Mrs. Inman, Greenwood; Mr. Herbert Sylvester, Danvers; Mrs. Margaret Winslow, Hathorne; Mr. Gilman W. Brown, Hathorne; Miss Kathryn, M. Lyons, Danvers, Mr. Hyman Itchcovitz, Boston; Mr. John Dorgan, Lawrence; Mrs. S. Lea Parry, Cambridge; Mr. Henry Amory, Melrose; Mrs. Liesetta Jones, Malden; Dr. S. Chase Tucker, Peabody; Chamber of Commerce, Salem, Mass.; Southworth Brothers, North Beverly; Mr. C. B. Owler, Danvers; Mr. J. F. Tivnan, Cambridge.

In conclusion I wish to thank the heads of departments and all the employees for their loyal unselfish service, whose efforts have made it possible for this hospital to successfully serve the people in the community. May I especially voice my appreciation to the medical Staff who have faithfully and efficiently served our patients twenty-four hours a day during the year.

Respectfully submitted,

W. FRANKLIN, WOOD, M. D.,

Assistant Superintendent

THE TRAINING SCHOOL FOR NURSES.

To the Superintendent of the Danvers State Hospital:

I herewith submit the forty-ninth annual report of the Training School for Nurses.

The Graduating Class of 1926:—Margaret Christine MacAulay, Helen Gertrude Osgood, Celia Schwartz Segal, Marion Green Temple.

School Personnel: Superintendent of Nurses, 1; Assistant Superintendent of Nurses, 1; Supervisor, day, 1; Supervisor, night, 1; Head nurses—graduates of Danvers State Hospital, 6; Graduates of other hospitals, 2.

Intermediate pupils at affiliating school, Boston City Hospital, 4.

December 1, 1926, our pupils were as follows: Seniors, 7; Intermediates, 5; Juniors, 4.

With the assistance of the Alumni Association the Training School has procured a complete set of Frohse Anatomical charts which are of great assistance in teaching.

Respectfully submitted,

OLIVE F. ESTEY, R.N.,

Superintendent of Nurses and Principal of Training School

SOCIAL WORK

To the Superintendent:

I herewith submit the report of the Social Service Department for the year ending November 30, 1926:

I. Numerical Summary of Cases.

New Cases:

Hospital Cases: House, 205; Out Patients, 62.

Community Cases: Clinic cases, 81; Others, 5.

II. Sources of New Cases.

- (a) No. cases referred by hospital physicians, 236
- (b) No. cases referred by community agencies, 61
- (c) No. cases referred by friends or relatives, 5
- (d) No. cases referred by initiative of patients, 4
- (e) No. cases selected by Social Service, 13

III. Analysis of Work.

1. Purposes for which cases were referred:

- (a) Histories of patients { Taken at hospital, 97
Taken outside hospital, 71
- (b) Investigation { Conduct disorders, 21
Employment situations, 17
Home conditions, 38
Statements of patients, 22
Statements of others, 13
Community attitude re discharge of patient, 2
- (c) Supervision { In home, 97
In industry, 3
In community, 3
- (d) Miscellaneous { Personal services, 14
Placement, 21
Location of relatives, 12

IV. Service Rendered.

1. Medical:

- (a) Contribution of information re: Medical history, 181
- (b) Contribution of information re: Home conditions, 45
- (c) Contribution of information re: Condition of out-patients, 88
- (d) Arrangements for Medical assistance, 2

2. Social:

- (a) Adjustments for patients { Environment, 11
Personal relations, 4
- (b) Adjustments for patients in industry, 4
- (c) Advice { To relatives, 24
To patients, 19
To others, 15
- (e) Connecting { with agencies, 11
with individuals, 8
- (f) Family assistance { Legal, 1
Financial, 1
Miscellaneous, 3
- (g) Arrangements for further study or training, 0
- (h) Personal services, 5
Placement work { In home, 11
In industry, 7

V. Supervision Work:

Visits	{	To patients on ward, 48
		To patients on visits, 73
		To relatives or friends, 182
		To social agencies, 53
		To others, 90

Family Care Patients:

- (a) No. visits to patients, 73
- (b) No. of patients, placed, 3
- (c) No. patients replaced, 6
- (d) No. patients returned, 1

TREASURER'S REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1926.

CASH ACCOUNT

Receipts

<i>Income</i>		
Board of Patients.....	\$139,837 36	
		\$139,837.36
<i>Personal Services:</i>		
Reimbursement from Board of Retirement.....		199.34
<i>Sales:</i>		
Food.....	791.80	
Clothing and Materials.....	412.93	
Furnishings and Household Supplies.....	17.08	
Medical and General Care.....	489.60	
Heat, Light and Power.....	19.35	
<i>Farm:</i>		
Cows and calves.....	\$264.29	
Pigs and hogs.....	2.97	
Hides.....	308.29	
Ice.....	17.00	
Wood.....	48.00	
Sundries.....	178.77	
		819.32
Garage, Stable and Grounds.....	108.84	
Repairs, ordinary.....	791.77	
		1,619.16
Total Sales.....		\$3,450.69
<i>Miscellaneous:</i>		
Interest on bank balances.....	\$104.32	
Rent.....	85.00	
Sundries.....		\$189.32
Total Income.....		\$143,676.71

MAINTENANCE

Balance from previous year, brought forward.....	\$8,960.28
Appropriations, current year.....	626,590.00
Total.....	\$635,550.28
Expenses (as analyzed below).....	617,661.58
Balance reverting to Treasury of Commonwealth.....	\$17,888.70

Analysis of Expenses

Personal services.....	\$291,103.85
Religious Instruction.....	2,041.47
Travel, transportation and office expenses.....	5,265.74
Food.....	110,919.68
Clothing and materials.....	21,706.46
Furnishings and household supplies.....	38,738.63
Medical and general care.....	29,924.69
Heat, Light and Power.....	51,519.63
Farm.....	31,746.81
Garage, Stable and Grounds.....	10,796.95
Repairs, ordinary.....	18,409.27
Repairs and renewals.....	5,488.40
Total expenses for Maintenance.....	\$617,661.58

SPECIAL APPROPRIATIONS

Balance December 1, 1925.....	\$31,725.47
Appropriations for current year.....	55,000.00
Total.....	\$86,725.47
Expended during the year (see statement below).....	\$37,833.75
Reverting to Treasury of Common wealth.....	649.08
	38,482.83
Balance November 30, 1926, carried to next year.....	\$48,242.64

OBJECT	Act or Resolve	Whole Amount	Expended During Fiscal Year	Total Expended to Date	Balance at End of Year
Power Plant.....	629 of 1920	\$250,000.00	20.58	\$249,416.11	\$583.89*
Equipment for Food Service.....	126 of 1924	7,300.00		7,297.40	2.60*
Additional Fire Protection.....	510 of 1924	12,000.00	9,519.96	11,937.41	62.59*
Wire Fence.....	211 of 1925	1,200.00		1,193.98	6.02
Motor Drive.....	211 of 1925	1,400.00		1,214.66	185.34
Automatic Draft Control.....	211 of 1925	2,500.00		2,401.00	99.00
Moving Dayton Hall.....	211 of 1925	3,500.00	3,071.54	3,326.05	173.95
Fire Protection 1925.....	347 of 1925	18,000.00	5,558.69	5,558.69	12,441.31
Verandas C. & H.....	79 of 1926	50,000.00	15,544.95	15,544.95	34,455.05
Garage Extension.....	79 of 1926	5,000.00	4,118.03	4,118.03	881.97
		\$350,900.00	\$37,833.75	\$302,008.28	\$48,891.72
Balance reverting to Treasury of the Commonwealth during year (mark item with *).....					649.08
Balance carried to next year.....					48,242.64
Total as above.....					48,891.72

PER CAPITA

During the year the average number of inmates has been 1,684.
 Total cost for maintenance, \$617,661.58
 Equal to a weekly per capita cost of \$7.0535 (52 weeks to year)
 Receipt from sales, \$3,450.69
 Equal to a weekly per capita of \$.0394
 All other institution receipts, \$140,226.02
 Equal to a weekly per capita of \$1.6013
 Net weekly per capita \$5.4128

Respectfully submitted,
 GLADYS E. LEACH, TREASURER

VALUATION

NOVEMBER 30, 1926

REAL ESTATE

Land (517 acres).....	\$89,640.00
Buildings.....	2,526,904.14
	\$2,616,544.14

PERSONAL PROPERTY

Travel, transportation and office expenses.....	2,942.70
Food.....	16,425.54
Clothing and Materials.....	15,077.14
Furnishings and household supplies.....	128,494.24
Medical and general care.....	13,169.14
Heat, light and Power.....	12,690.60
Farm.....	61,991.53
Garage, stable and grounds.....	7,680.98
Repairs.....	19,627.33
	\$278,099.20

SUMMARY

Real Estate.....	\$2,616,544.14
Personal Property.....	278,099.20
	\$2,894,643.34

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1.—*General Information*

1. Date of opening as an institution for the insane: May 13, 1878						
2. Type of institution: State						
3. Hospital plant:						
Value of hospital property:						
Real estate including buildings.....						\$2,616,544.14
Personal property.....						278,099.20
Total.....						\$2,894,643.34
Total acreage of hospital property owned, 517						
Additional acreage rented, 150						
Additional aoreage under cultivation during previous year, 347						
4. Officers and Employees						
	ACTUALLY IN SERVICE AT END OF YEAR			VACANCIES AT END OF YEAR		
	M.	F.	T.	M.	F.	T.
Superintendents.....	1	—	1	—	—	—
Assistant physicians.....	7	1	8	—	—	3
Medical internes.....	—	—	—	—	—	—
Clinical assistants.....	4	1	5	—	—	—
Total Physicians.....	12	2	14	—	—	3
Stewards.....	1	—	1	—	—	—
Resident dentists.....	1	—	1	—	—	—
Graduate nurses.....	—	14	14	—	—	—
Other nurses and attendants.....	71	92	163	25	10	35
Teachers of occupational therapy.....	1	4	5	—	1	1
Social workers.....	—	2	2	—	—	—
All other officers and employees.....	81	49	130	17	28	45
Total officers and employees.....	167	163	330	42	39	81
5. Census of patient population at end of year:						
	ACTUALLY IN INSTITUTION			ABSENT FROM INSTI- TUTION BUT STILL ON BOOKS		
	M.	F.	T.	M.	F.	T.
White:						
Insane.....	729	978	1707	261	156	317
Neurosyphilitics.....	3	4	7	—	—	—
(Without psychosis)						
(Cases not committed on last day of year and						
Vol. Patients)						
Total.....	732	982	1714	261	156	317
Colored:						
Insane, total.....	13	3	16	—	—	—
Grand Total.....	745	985	1730	261	156	317
6. Patients employed in industrial classes or in general hospital work on date of report.....				453	435	888
7. Average daily number of all patients actually in institution during year....	722.98			961	1683.98	
8. Volunatry patients admitted during year.....				1	2	3
9. Persons given advice or treatment in out-patient clinics during year.....				78	62	140

TABLE 2.—*Financial Statement*

See Treasurer's report for data requested under this table.

TABLE 3.—*Movement of Insane Patient Population for Year Ending September 30, 1926*

	TEMPORARY CARE			INSANE			VOLUNTARY SANE			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on books of institution September 30, 1925.....	7	4	11	903	1134	2037	-	-	-	910	1133	2048
Admissions during year:												
(a) First admissions.....	50	34	84	222	223	445	-	-	-	272	259	531
(b) Readmissions.....	15	7	22	62	51	113	-	-	2	77	58	135
Total admissions.....	65	41	106	284	274	558	-	-	2	349	317	666
(c) Transfers from other institutions.....	-	-	-	7	10	17	-	-	-	7	10	17
(d) Return escape.....	-	-	-	-	-	-	-	-	-	-	-	-
Total received during year.....	65	41	106	291	284	575	-	-	-	356	327	683
Total under treatment during year.....	72	45	117	1194	1418	2612	-	-	2	1266	1465	2731
Discharged from books during year.....												
(a) As recovered.....	21	6	27	17	4	21	-	-	-	38	10	48
(b) As improved.....	9	3	12	129	111	240	-	-	-	138	114	252
(c) As unimproved.....	8	7	15	13	18	31	-	-	-	21	25	46
(d) As not insane.....	20	15	35	9	1	10	-	-	-	29	18	47
(e) Transferred to other institutions for insane.....	-	-	-	26	26	52	-	-	-	26	26	52
(f) Died during year.....	6	8	14	106	104	210	-	-	-	112	112	224
(g) Nominal dismissals for commitment.....	5	3	8	-	-	-	-	-	-	5	3	8
Total discharges from books during year.....	69	42	111	300	264	564	-	-	2	369	308	677
Patients remaining on books of institution Sept. 30, 1926.....	2	4	6	894	1154	2048	-	-	-	897	1157	2054

TABLE 4.—*Nativity of First Admissions and of Parents of First Admissions for the Year Ending September 30, 1926*

NATIVITY	PATIENTS			MALE PATIENTS			FEMALE PATIENTS		
	M.	F.	T.	F.	M.	Both	F.	M.	Both
United States.....	149	130	279	84	82	71	63	58	43
Austria.....	-	1	0	-	-	-	1	1	1
*Canada.....	24	26	51	27	24	20	38	47	32
China.....	2	-	2	1	1	1	-	-	-
Denmark.....	-	-	-	-	-	-	1	-	-
England.....	2	4	6	8	6	3	12	9	6
†Europe.....	1	-	1	-	-	-	-	-	-
Finland.....	-	-	-	-	1	-	-	-	-
France.....	2	-	2	3	2	2	1	-	-
Germany.....	2	1	3	4	4	4	1	3	1
Greece.....	3	1	4	3	3	3	2	1	1
Holland.....	-	-	-	-	-	-	1	-	-
Ireland.....	6	30	36	32	38	27	53	52	46
Italy.....	6	6	12	12	11	11	10	10	10
Poland.....	4	5	9	4	4	4	4	4	4
Portugal.....	1	-	1	1	1	1	-	-	-
Russia.....	8	11	19	8	8	8	12	12	12
Scotland.....	1	1	2	3	4	3	2	3	2
Sweden.....	3	5	8	7	5	5	6	7	6
Switzerland.....	1	-	1	1	1	1	-	-	-
Turkey in Asia.....	-	-	-	2	2	2	-	-	-
Turkey in Europe.....	2	-	2	-	-	-	-	-	-
Other countries.....	-	2	2	1	1	1	3	3	8
Unascertained.....	5	-	5	21	24	19	13	13	10
Total.....	222	223	445	222	222	186	223	223	182

*Not otherwise specified

†Includes Newfoundland

TABLE 5.—*Citizenship of First Admissions for the Year Ending September 30, 1926*

	M.	F.	T.
Citizens by birth.....	148	130	278
Citizens by naturalization.....	21	39	60
Aliens.....	30	31	61
Citizenship unascertained.....	23	23	46
Total.....	222	223	445

TABLE 6.—*Psychoses of First Admissions for the Year Ending September 30, 1926*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses.....	—	—	—	2	—	2
2. Senile psychoses.....	—	—	—	14	28	42
3. Psychoses with cerebral arteriosclerosis.....	—	—	—	32	25	57
4. General paralysis.....	—	—	—	18	13	31
5. Psychoses with cerebral syphilis.....	—	—	—	2	1	3
6. Psychoses with Huntington's chorea.....	—	—	—	1	—	1
7. Psychoses with brain tumor.....	—	—	—	1	—	1
8. Psychoses with other brain or nervous diseases, total..	—	—	—	8	8	16
Encephalitis Lethargica.....	2	2	4	—	—	—
Other diseases.....	6	6	12	—	—	—
9. Alcoholic psychoses, total.....	—	—	—	21	2	23
Delirium tremens.....	3	—	3	—	—	—
Acute hallucinosis.....	6	2	8	—	—	—
Other types, acute or chronic.....	12	—	12	—	—	—
10. Psychoses due to drugs and other exogenous toxins, total	—	—	—	2	—	2
Opium (and derivatives), cocaine, bromides, chloral,	—	—	—	—	—	—
etc., alone or combined.....	1	—	1	—	—	—
Other exogenous toxins.....	1	—	1	—	—	—
11. Psychoses with pellagra.....	—	—	—	1	—	1
12. Psychoses with other somatic diseases, total.....	—	—	—	1	13	14
Delirium with infectious diseases.....	—	2	2	—	—	—
Post-infectious psychosis.....	—	1	1	—	—	—
Exhaustion delirium.....	—	1	1	—	—	—
Cardio-renal diseases.....	—	2	2	—	—	—
Other diseases or conditions.....	1	7	8	—	—	—
13. Manic-depressive psychoses, total.....	—	—	—	32	29	61
Manic type.....	11	10	—	—	—	—
Depressive type.....	18	15	—	—	—	—
Other types.....	3	4	—	—	—	—
14. Involution melancholia.....	—	—	—	3	9	12
15. Dementia praecox (schizophrenia).....	—	—	—	48	58	106
16. Paranoia and paranoid conditions.....	—	—	—	1	2	3
17. Epileptic psychoses.....	—	—	—	4	4	8
18. Psychoneuroses and neuroses, total.....	—	—	—	4	3	7
Hysterical type.....	1	1	2	—	—	—
Neurasthenic type.....	1	2	3	—	—	—
Other types.....	2	—	2	—	—	—
19. Psychoses with psychopathic personality.....	—	—	—	4	—	4
20. Psychoses with mental deficiency.....	—	—	—	13	7	20
21. Undiagnosed psychoses.....	—	—	—	7	20	27
22. Without psychosis, total.....	—	—	—	3	1	4
Psychopathic personality without psychosis.....	1	1	2	—	—	—
Others.....	2	—	2	—	—	—
Total.....	—	—	—	222	223	445

TABLE 7.—*Race of First Admissions Classified with Reference to Principal Psychoses for the Year Ending September 30, 1923*

RACE	TOTAL			TRAU- MATIC			SENILE			WITH CEREBRAL ARTERIO- SCLEROSIS			GENERAL PARALYSIS			WITH CEREBRAL SYPHILIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Armenian.....	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English.....	40	46	86	-	-	-	8	9	17	8	8	16	1	3	4	1	1	2
French.....	9	13	22	1	-	1	1	-	1	-	2	2	2	2	4	-	-	-
German.....	3	1	4	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Greek.....	4	1	5	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Hebrew.....	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Irish.....	39	57	96	-	-	-	7	7	7	7	6	13	2	2	4	-	-	-
Italian*.....	12	10	22	-	-	-	-	-	-	2	1	3	2	1	3	-	-	-
Lithuanian.....	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian†.....	6	6	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch.....	4	4	8	-	-	-	-	-	-	1	1	2	-	1	1	-	-	-
Slavonic‡.....	10	15	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races.....	1	1	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Mixed.....	20	22	42	-	-	-	1	1	1	-	2	2	-	2	4	-	-	-
Race un'certained.....	68	44	112	-	-	-	5	11	16	12	4	16	9	2	11	1	-	1
Total.....	222	223	445	2	-	2	14	28	42	32	25	57	18	13	31	2	1	3

*Includes "North" and "South"

†Norwegians, Danes and Swedes.

‡Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7.—*Race of First Admissions Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926—Continued.*

RACE	WITH HUNTING- TON'S CHOREA			WITH BRAIN TUMOR			WITH OTHER BRAIN OR NERVOUS DISEASES			ALCOHOL- IC			DUE TO DRUGS AND OTHER EXOGEN- OUS TOXINS			WITH PELLAGRA		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Armenian.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English.....	-	-	-	-	-	-	3	1	4	2	-	2	1	-	1	-	-	-
French.....	-	-	-	-	-	-	-	1	1	1	1	2	-	-	-	-	-	-
German.....	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Greek.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish.....	-	-	-	-	-	-	1	2	3	8	1	9	-	-	-	-	-	-
Italian*.....	-	-	-	-	-	-	1	2	3	-	-	-	-	-	-	-	-	-
Lithuanian.....	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-
Portuguese.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian†.....	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Scotch.....	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Slavonic‡.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed.....	-	-	-	-	-	-	1	1	1	3	-	3	-	-	-	-	-	-
Race unascertained.....	-	-	-	1	-	1	2	1	3	3	-	3	1	-	1	1	-	1
Total.....	1	-	1	1	-	1	8	8	16	21	2	23	2	-	2	1	-	1

*Includes "North" and "South"

†Norwegians, Danes and Swedes.

‡Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7.—*Races of First Admissions, Classified with Reference to Psychoses*

	TOTAL			SENILE			CEREBRAL ARTERIO- SCLEROSIS			GENERAL PARALYSIS			CEREBRAL SYPHILIS			OTHER BRAIN OR NERVOUS DISEASES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African.....	6	2	8	-	-	-	-	-	-	1	-	1	2	-	2	-	-	-
Armenian.....	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English.....	10	6	16	-	-	1	1	-	1	1	2	-	-	-	-	-	-	-
French.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
German.....	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek.....	2	-	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Hebrew.....	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Irish.....	10	2	12	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Italian.....	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japanese.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic.....	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syrian.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed.....	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unascertained.....	2	4	6	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Total.....	41	21	62	1	-	1	1	1	2	3	1	4	2	-	2	1	-	-

TABLE 7.—*Races of First Admissions, Classified with Reference to Psychoses*

	ALCO- HOLIC			OTHER SOMATIC DISEASES			MANIC- DEPRESSIVE			INVOLUTION MELAN- CHOLIA			DEMENTIA PRAECOX			PARANOID CONDITION		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M.	F.	T.
African.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian.....	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
English.....	1	1	2	-	1	1	-	-	-	1	1	-	-	1	1	3	1	4
French.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
German.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Greek.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Hebrew.....	-	-	-	-	-	-	1	-	1	-	-	-	-	1	1	-	1	-
Irish.....	3	-	3	-	-	-	1	1	2	-	-	-	1	-	1	1	-	1
Italian.....	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-	-	1
Japanese.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Lithuanian.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Scandinavian.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Scotch.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Slavonic.....	-	-	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-
Syrian.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unascertained.....	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
Total.....	5	1	6	-	1	1	3	2	5	-	2	2	2	4	6	8	3	11

TABLE 8.—*Age of First Admissions Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926*

PSYCHOSES	TOTAL			UNDER 15 YEARS			15—19 YEARS			20—24 YEARS			25—29 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	14	28	42	—	—	—	—	—	—	—	—	—	—	—	—
3. With Cerebral arterio- sclerosis.....	32	25	57	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis.....	18	13	31	—	—	—	1	—	1	1	—	1	1	1	2
5. With cerebral syphilis..	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's cho- rea.....	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
7. With brain tumor.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or ner- vous diseases.....	8	8	16	—	—	—	1	—	1	—	2	2	1	—	1
9. Alcoholic.....	21	2	23	—	—	—	—	—	—	—	—	—	1	—	1
10. Due to drugs and other exogenous toxins....	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic dis- eases.....	1	13	14	—	—	—	—	1	1	—	—	—	—	2	2
13. Manic-depressive.....	32	29	61	—	—	—	2	4	6	3	2	5	2	2	4
14. Involution melancholia..	3	9	12	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox.....	48	58	106	—	—	—	7	3	10	8	9	17	8	7	15
16. Paranoia or paranoid conditions.....	1	2	3	—	—	—	—	—	—	1	—	1	—	—	—
17. Epileptic psychoses....	4	4	8	—	1	1	—	—	—	—	—	—	1	—	1
18. Psychoneuroses and neuroses.....	4	3	7	—	—	—	—	—	—	1	—	1	1	—	1
19. With psychopathic per- sonality.....	4	—	4	—	—	—	—	—	—	—	—	—	1	—	1
20. With mental deficiency..	13	7	20	—	—	—	4	1	5	3	—	3	1	—	1
21. Undiagnosed psychoses..	7	20	27	—	—	—	—	—	—	3	3	—	—	—	—
22. Without psychosis.....	3	1	4	—	—	—	—	1	1	—	—	—	1	—	1
Total.....	222	223	445	—	1	1	15	10	25	17	16	33	19	12	31

TABLE 8.—Age of First Admissions Classified with Reference to Principal Psychoses*
for the Year Ending September 30, 1926—Continued

PSYCHOSES	30—34 YEARS			35—39 YEARS			40—44 YEARS			45—49 YEARS			50—54 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	-	-	-	1	-	1	-	-	-	1	-	1	-	-	-
2. Senile.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arterio- sclerosis.....	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
4. General paralysis.....	2	2	4	3	3	6	2	-	2	3	1	4	3	3	6
5. With cerebral syphilis.....	1	-	1	-	-	-	1	1	2	-	-	-	-	-	-
6. With Huntington's cho- rea.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor.....	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
8. With other brain or ner- vous diseases.....	-	2	2	1	1	2	1	-	1	1	2	3	-	1	1
9. Alcoholic.....	3	1	4	4	-	4	4	-	4	5	-	5	2	-	2
10. Due to drugs and other exogenous toxins.....	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
11. With pellagra.....	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
12. With other somatic dis- eases.....	-	1	1	1	1	2	-	1	1	-	1	1	-	-	-
13. Manic-depressive.....	4	4	8	3	5	8	9	2	11	4	3	7	1	3	4
14. Involution melancholia.....	-	-	-	-	-	-	-	1	1	-	-	-	1	5	6
15. Dementia praecox.....	9	9	18	4	9	13	5	8	13	1	7	8	2	5	7
16. Paranoia or paranoid conditions.....	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses.....	2	1	3	-	1	1	-	1	1	1	-	1	-	-	-
18. Psychoneuroses and neuroses.....	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-
19. With psychopathic per- sonality.....	-	-	-	-	-	-	1	-	1	-	-	-	-	-	4
20. With mental deficiency.....	3	1	4	-	2	2	1	1	2	-	2	2	-	-	-
21. Undiagnosed psychoses.....	1	3	4	-	4	4	2	2	4	1	1	2	1	3	4
22. Without psychosis.....	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Total.....	26	25	51	17	28	45	27	17	44	20	17	37	14	20	34

TABLE 8.—Age of First Admissions Classified with Reference to Principal Psychoses
for the Year Ending September 30, 1926—Concluded

PSYCHOSES	55—59 YEARS			60—64 YEARS			65—69 YEARS			70 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile.....	-	1	1	-	1	1	5	2	7	9	24	33
3. With cerebral arteriosclerosis.....	2	4	6	3	2	5	4	8	12	21	11	32
4. General paralysis.....	2	1	3	-	-	-	-	2	2	-	-	-
5. With cerebral syphilis.....	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea.....	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor.....	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases.....	1	-	1	-	-	-	-	-	-	2	-	2
9. Alcoholic.....	1	1	2	1	-	1	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins.....	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra.....	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases.....	-	1	1	-	1	1	-	2	2	-	2	2
13. Manic-depressive.....	1	2	3	2	2	4	1	-	1	-	-	-
14. Involution melancholia.....	1	2	3	1	1	2	-	-	-	-	-	-
15. Dementia praecox.....	3	-	3	1	-	1	-	-	-	-	1	1
16. Paranoia or paranoid conditions.....	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses.....	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses.....	1	1	2	-	1	1	-	-	-	-	-	-
19. With psychopathic personality.....	-	-	-	1	-	1	-	-	-	1	-	1
20. With mental deficiency.....	-	-	-	-	-	-	1	-	1	-	-	-
21. Undiagnosed psychoses.....	1	2	3	-	1	1	1	1	2	-	-	-
22. Without psychosis.....	-	-	-	-	-	-	-	-	-	-	-	-
Total.....	13	15	28	9	9	18	12	15	27	33	38	71

TABLE 9.—*Degree of Education of First Admissions Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926*

PSYCHOSES	TOTAL			ILLITERATE			READS AND WRITES*			COMMON SCHOOL			HIGH SCHOOL			COLLEGE			UNASCERTAINED			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic.....	2	28	42	1	2	3	1	4	5	6	13	19	2	2	4	1	1	1	1	3	6	1
2. Senile.....	14	25	57	2	2	4	3	3	6	18	15	33	1	1	1	1	1	1	3	6	4	9
3. With cerebral arteriosclerosis.....	32	25	57	2	2	4	3	3	6	18	15	33	1	1	1	1	1	1	3	6	4	10
4. General paralysis.....	18	13	31	2	1	3	2	2	2	7	11	18	3	1	3	1	2	1	4	4	1	5
5. With cerebral syphilis.....	2	1	3	1	1	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
6. With Huntington's chorea.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7. With brain tumor.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8. With other brain or nervous diseases.....	1	8	16	1	2	2	1	1	1	6	4	10	1	1	1	1	1	1	1	1	1	1
9. Alcoholic.....	21	2	23	1	1	2	1	1	1	15	15	15	1	1	1	1	1	1	1	2	1	2
10. Due to drugs and other exogenous toxins.....	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11. With pellagra.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12. With other somatic diseases.....	1	13	14	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1	1	1	1
13. Manic-depressive.....	32	29	61	1	1	1	1	1	5	13	18	31	7	4	11	1	1	1	3	5	2	4
14. Involution melancholia.....	3	9	12	1	1	1	2	1	2	1	5	6	1	1	2	2	2	2	1	7	2	2
15. Dementia praecox.....	48	58	106	1	4	4	2	6	8	17	29	46	15	8	23	3	6	9	11	5	16	16
16. Paranoia or paranoid conditions.....	1	2	3	1	1	1	1	1	1	1	3	4	1	1	2	1	1	1	1	1	1	1
17. Epileptic psychoses.....	4	4	8	1	1	1	1	1	1	1	3	4	2	2	2	1	1	1	1	1	1	1
18. Psychoneuroses and neuroses.....	4	4	8	1	1	1	1	1	1	1	3	4	1	1	1	1	1	1	1	1	1	1
19. With psychopathic personality.....	4	4	8	1	1	1	1	1	1	1	3	4	1	1	1	1	1	1	1	1	1	1
20. With mental deficiency.....	13	7	20	2	2	4	3	3	3	6	5	11	1	1	1	1	1	1	2	4	4	3
21. Undiagnosed psychoses.....	7	20	27	2	2	4	1	1	1	3	11	14	1	1	3	1	1	1	1	4	4	2
22. Without psychosis.....	3	1	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total.....	222	223	445	10	18	28	20	14	34	105	120	225	36	26	62	10	10	20	41	35	76	76

*Includes those who did not complete fourth grade in school.

TABLE 10.—*Environment of First Admissions Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926*

PSYCHOSES	TOTAL			URBAN			RURAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	2	—	2	2	—	2	—	—	—
2. Senile.....	14	28	42	13	26	39	1	2	3
3. With cerebral arteriosclerosis.....	32	25	57	31	24	55	1	1	2
4. General paralysis.....	18	13	31	16	12	28	2	1	3
5. With cerebral syphilis.....	2	1	3	2	1	3	—	—	—
6. With Huntington's chorea.....	1	—	1	1	—	1	—	—	—
7. With brain tumor.....	1	—	1	1	—	1	—	—	—
8. With other brain or nervous diseases.....	8	8	16	8	8	16	—	—	—
9. Alcoholic.....	21	2	23	20	2	22	1	—	1
10. Due to drugs and other exogenous toxins.....	2	—	2	2	—	2	—	—	—
11. With pellagra.....	1	—	1	1	—	1	—	—	—
12. With other somatic diseases.....	1	13	14	1	12	13	—	1	1
13. Manic-depressive.....	32	29	61	32	28	60	—	1	1
14. Involution melancholia.....	3	9	12	3	9	12	—	—	—
15. Dementia praecox.....	48	58	106	45	54	99	3	4	7
16. Paranoia or paranoid conditions.....	1	2	3	1	2	3	—	—	—
17. Epileptic psychoses.....	4	4	8	4	4	8	—	—	—
18. Psychoneuroses and neuroses.....	4	3	7	4	3	7	—	—	—
19. With psychopathic personality.....	4	—	4	4	—	4	—	—	—
20. With mental deficiency.....	13	7	20	13	5	18	—	2	2
21. Undiagnosed psychoses.....	7	20	27	7	20	27	—	—	—
22. Without psychosis.....	3	1	4	3	1	4	—	—	—
Total.....	222	223	445	214	211	425	8	12	20

TABLE 11.—*Economic Condition of First Admissions Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926*

PSYCHOSES	TOTAL			DE- PENDENT			MARGINAL			COM- FORTABLE			UNAS- CERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	2	—	2	—	—	—	1	—	1	1	—	1	—	—	—
2. Senile.....	14	28	42	6	10	16	5	4	9	3	2	5	—	12	12
3. With cerebral arteriosclerosis.....	32	25	57	11	5	16	12	9	21	4	1	5	5	10	15
4. General paralysis.....	18	13	31	3	3	6	11	7	18	1	2	3	3	1	4
5. With cerebral syphilis.....	2	1	3	—	—	—	1	1	2	—	—	—	1	—	1
6. With Huntington's chorea.....	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
7. With brain tumor.....	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
8. With other brain or nervous diseases.....	8	8	16	1	3	4	4	5	9	2	—	2	1	—	1
9. Alcoholic.....	21	2	23	3	—	3	11	2	13	1	—	1	6	—	6
10. Due to drugs and other exogenous toxins.....	2	—	2	—	—	—	1	—	1	—	—	—	1	—	1
11. With pellagra.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
12. With other somatic diseases.....	1	13	14	—	1	1	1	7	8	—	—	—	—	5	5
13. Manic-depressive.....	32	29	61	5	4	9	14	15	29	7	2	9	6	8	14
14. Involution melancholia.....	3	9	12	—	3	3	1	3	4	1	—	1	1	3	4
15. Dementia praecox.....	48	58	106	9	8	17	18	34	52	13	3	16	8	13	21
16. Paranoia or paranoid conditions.....	1	2	3	—	—	—	1	2	3	—	—	—	—	—	—
17. Epileptic psychoses.....	4	4	8	1	—	1	1	2	3	1	1	2	1	1	2
18. Psychoneuroses and neuroses.....	4	3	7	—	—	—	2	2	4	2	—	2	—	1	1
19. With psychopathic personality.....	4	—	4	1	—	1	2	—	2	1	—	1	—	—	—
20. With mental deficiency.....	13	7	20	4	1	5	4	3	7	2	2	4	3	1	4
21. Undiagnosed psychoses.....	7	20	27	3	1	4	2	12	14	1	2	3	1	5	6
22. Without psychosis.....	3	1	4	—	1	1	2	—	2	—	—	—	1	—	1
Total.....	222	223	445	47	40	87	95	108	203	41	15	56	39	60	99

TABLE 12.—*Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926*

PSYCHOSES	TOTAL			ABSTINENT			TEM- PERATE			INTEM- PERATE			UNASCER- TAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	2	-	2	-	-	-	-	-	-	2	-	2	-	-	-
2. Senile.....	14	28	42	8	22	30	2	-	2	3	3	6	1	3	4
3. With cerebral arteriosclerosis..	32	25	57	17	24	41	7	-	7	2	-	2	6	1	7
4. General paralysis.....	18	13	31	6	11	17	2	-	2	5	1	6	5	1	6
5. With cerebral syphilis.....	2	1	3	2	1	3	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea.....	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
7. With brain tumor.....	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
8. With other brain or nervous diseases.....	8	8	16	6	6	12	1	-	1	1	1	2	-	1	1
9. Alcoholic.....	21	2	23	-	-	-	2	1	3	19	1	20	-	-	-
10. Due to drugs and other exo- genous toxins.....	2	-	2	-	-	-	1	-	1	1	-	1	-	-	-
11. With pellagra.....	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
12. With other somatic diseases...	1	13	14	-	12	12	-	-	-	-	-	-	1	1	2
13. Manic-depressive.....	32	29	61	15	27	42	4	-	4	1	-	1	12	2	14
14. Involution melancholia.....	3	9	12	-	7	7	1	-	1	-	-	-	2	2	4
15. Dementia praecox.....	48	58	106	25	53	78	6	3	9	6	1	7	11	1	12
16. Paranoid and paranoid condi- tions.....	1	2	3	1	2	3	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses.....	4	4	8	2	4	6	1	-	1	-	-	-	1	-	1
18. Psychoneuroses and neuroses...	4	3	7	1	1	2	1	-	1	-	-	1	2	2	4
19. With psychopathic personality	4	-	4	2	-	2	-	-	-	2	-	-	-	-	-
20. With mental deficiency.....	13	7	20	11	6	17	-	-	-	-	1	2	2	-	2
21. Undiagnosed psychoses.....	7	20	27	2	17	19	1	2	3	1	-	1	3	1	4
22. Without psychosis.....	3	1	4	2	-	2	-	-	-	-	1	1	1	-	1
Total.....	222	223	445	101	193	294	29	6	35	14	9	53	48	15	63

TABLE 13.—*Marital Condition of First Admissions Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926*

PSYCHOSES	TOTAL			SINGLE			MARRIED			WIDOWED			SEPARATED			DIVORCED			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	2	—	2	—	—	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	14	28	42	—	8	—	2	8	10	—	14	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	32	25	57	1	7	8	21	8	29	10	11	24	—	—	—	—	—	—	—	—	—
4. General paralysis.....	18	13	31	4	5	9	11	8	19	1	4	5	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis.....	2	1	3	—	—	—	2	—	2	—	1	—	2	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	8	8	16	3	5	8	4	6	10	1	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	21	2	23	10	1	11	9	1	10	1	—	—	—	—	—	1	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	2	—	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	1	14	15	—	5	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	32	29	61	13	7	20	13	20	33	4	1	5	—	—	—	1	1	2	—	1	1
13. Manic-depressive.....	3	9	12	—	2	2	3	5	8	—	—	—	—	—	—	—	—	—	—	—	—
14. Involution melancholia.....	48	58	106	38	26	64	5	26	31	2	3	5	—	—	—	—	2	2	—	3	1
15. Dementia praecox.....	1	2	3	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—	—	2	1
16. Paranoia or paranoid conditions.....	1	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	4	4	8	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	4	—	4	—	—	—	3	2	5	—	—	—	1	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	13	7	20	13	2	15	—	4	3	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	7	20	27	4	1	5	3	11	14	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses.....	3	1	4	—	—	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis.....	222	223	445	95	68	163	85	109	194	31	41	72	3	—	3	2	3	5	6	2	8

TABLE 14.—*Psychoses of Readmissions for the Year Ending September 30, 1926*

PSYCHOSES			
	M.	F.	T.
1. Traumatic psychoses	—	—	—
2. Senile psychoses	—	—	—
3. Psychoses with cerebral arteriosclerosis	3	4	7
4. General paralysis	3	2	5
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	—	1	1
9. Alcoholic psychoses	7	1	8
10. Psychoses due to drugs and other exogenous toxins	1	—	1
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	1	3	4
13. Manic-depressive psychoses	15	15	30
14. Involution melancholia	—	2	2
15. Dementia praecox	23	15	38
16. Paranoia or paranoid conditions	—	—	—
17. Epileptic psychoses	3	2	5
18. Psychoneuroses and neuroses	—	3	3
19. Psychoses with psychopathic personality	2	—	2
20. Psychoses with mental deficiency	1	3	4
21. Undiagnosed psychoses	3	—	3
22. Without psychosis	—	—	—
Total	62	51	113

TABLE 15.—*Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge for the Year Ending September 30, 1926*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	—	—	—	3	—	3	—	—	—
2. Senile	2	6	8	—	—	—	2	3	5	—	3	3
3. With cerebral arteriosclerosis	10	8	18	—	1	1	9	6	15	1	1	2
4. General paralysis	1	3	4	—	—	—	1	3	4	—	—	—
5. With cerebral syphilis	—	1	1	—	—	—	—	1	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	2	1	3	1	—	1	1	1	2	—	—	—
9. Alcoholic	32	3	35	11	1	12	20	2	22	1	—	1
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	1	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	8	10	—	—	—	2	8	10	—	—	—
13. Manic-depressive	37	37	74	3	1	4	31	32	63	3	4	7
14. Involution melancholia	1	7	8	—	—	—	1	6	7	—	1	1
15. Dementia praecox	34	15	49	—	—	—	30	10	40	4	5	9
16. Paranoia or paranoid conditions	1	3	4	—	—	—	1	2	3	—	1	1
17. Epileptic psychoses	5	1	6	1	—	1	4	1	5	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	3	1	4	1	—	1	2	—	2	—	1	1
20. With mental deficiency	6	13	19	—	1	1	5	12	17	1	—	1
21. Undiagnosed psychoses	11	24	35	—	—	—	10	22	32	1	2	3
22. Without psychosis	7	1	8	—	—	—	5	1	6	2	—	2
23. Not insane	9	1	10	—	—	—	—	—	—	—	—	—
Total	168	134	302	17	4	21	129	111	240	13	18	31

TABLE 16.—Causes of Death of Patients Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926

CAUSES OF DEATH	TOTAL			SENILE			WITH CEREBRAL ARTERIO-SCLEROSIS			GENERAL PARALYSIS			ALCOHOLIC			MANIC-DEPRESSIVE			INVOLUTION-MELAN-CHOLIA			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>General Diseases</i>																						
Erysipelas.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Septicæmia.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pellagra.....	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of lungs.....	5	13	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other forms of tuberculosis.....	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cancer.....	1	5	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes.....	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other general diseases.....	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Nervous System</i>																						
Apoplexy (cerebral hemorrhage).....	1	9	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General paralysis of insane.....	20	6	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-spinal syphilis.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exhaustion from other mental diseases.....	3	9	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Brain tumor.....	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of brain.....	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Epilepsy.....	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chorea.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Circulatory System</i>																						
Endocarditis and myocarditis.....	9	12	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the heart.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis.....	43	22	65	5	14	19	27	7	34	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the arteries.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Respiratory System</i>																						
Bronchitis.....	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bronchopneumonia.....	5	13	18	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the respiratory system.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Digestive System</i>																						
Diarrhea and enteritis.....	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Genito-Urinary System</i>																						
Chronic nephritis.....	—	7	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Violence</i>																						
Suicide.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Accidental poisoning.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Accidental traumatism.....	1	5	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other external violence.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	112	112	224	8	23	31	31	22	53	20	7	27	7	1	8	5	14	19	3	2	5	6

TABLE 16.—Causes of Death of Patients Classified with reference to Principal Psychoses for the Year Ending September 30, 1926—Concluded

CAUSES OF DEATH NEUROSES	DEMENTIA PRAECOX			PARANOIA OR PARANOID CONDITIONS			EPILEPTIC PSYCHOSES			PSYCHO- NEUROSES AND NEUROSES			WITH MENTAL DEFICIENCY			ALL OTHER PSYCHOSES*		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>General Diseases</i>																		
Erysipelas.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Septicaemia.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pellagra.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of lungs.....	3	11	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other forms of tuberculosis.....	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cancer.....	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other general diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Nervous System</i>																		
Apoplexy (cerebral hemorrhage).....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General paralysis of insane.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-spinal syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exhaustion from other mental diseases.....	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of brain.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Epilepsy.....	—	—	—	—	—	—	3	4	7	—	—	—	—	—	—	—	—	—
Chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Circulatory System</i>																		
Endocarditis and myocarditis.....	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	3	4	7
Other diseases of the heart.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Arteriosclerosis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—
Other diseases of the arteries.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Respiratory System</i>																		
Bronchitis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bronchopneumonia.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the respiratory system.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Digestive System</i>																		
Diarrhea and enteritis.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Genito-Urinary System</i>																		
Chronic nephritis.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2
<i>Violence</i>																		
Suicide.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Accidental poisoning.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Accidental traumatism.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other external violence.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	12	23	35	—	1	1	3	4	7	1	—	1	—	2	2	22	13	35

TABLE 17.—*Age of Patients at Time of Death Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926*

PSYCHOSES	TOTAL			15-19 YEARS			20-24 YEARS			25-29 YEARS			30-34 YEARS		
1. Traumatic.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile.....	8	23	31	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis...	31	22	53	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis.....	20	7	27	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis.....	3	-	3	-	-	-	-	-	-	-	-	-	1	-	1
6. With Huntington's chorea.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases.....	6	2	8	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic.....	7	1	8	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra.....	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases...	3	9	12	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive.....	5	14	19	-	-	-	-	-	1	2	3	-	1	1	1
14. Involution melancholia.....	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox.....	12	23	25	1	1	2	1	1	2	2	4	2	2	4	4
16. Paranoia or paranoid conditions.....	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses.....	3	4	7	-	-	-	-	-	1	-	1	-	1	1	1
18. Psychoneuroses and neuroses...	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency.....	-	2	2	-	1	1	-	-	-	-	-	-	1	1	1
21. Undiagnosed psychoses.....	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychoses.....	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Total.....	112	112	224	1	2	3	1	1	2	4	4	8	3	5	8

TABLE 17.—*Age of Patients at Time of Death Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926—Continued*

PSYCHOSES	35-39 YEARS			40-44 YEARS			45-49 YEARS			50-54 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile.....	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis.....	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis.....	6	2	8	-	1	1	4	1	5	5	1	6
5. With cerebral syphilis.....	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea.....	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor.....	-	-	-	-	-	-	-	-	-	1	-	1
8. With other brain or nervous diseases.....	1	-	1	-	-	-	1	1	2	1	1	2
9. Alcoholic.....	-	-	-	-	-	-	2	-	2	1	-	1
10. Due to drugs and other exogenous toxins.....	-	-	-	1	-	1	-	-	-	-	-	-
11. With pellagra.....	-	-	-	-	-	-	1	-	1	-	-	-
12. With other somatic diseases.....	1	-	1	-	1	1	1	1	2	-	-	-
13. Manic-depressive.....	-	-	-	-	5	5	-	2	2	-	-	-
14. Involution melancholia.....	-	-	-	-	-	-	-	1	1	-	1	1
15. Dementia praecox.....	1	4	5	2	1	3	-	2	2	1	1	2
16. Paranoia or paranoid conditions.....	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses.....	-	-	-	-	1	1	1	1	2	-	1	1
18. Psychoneuroses and neuroses.....	-	-	-	-	-	-	-	-	-	-	-	-
19. With Psychopathic personality.....	-	-	-	-	-	-	-	-	-	-	-	-
20. Without mental deficiency.....	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses.....	-	-	-	-	-	-	-	-	-	1	-	1
22. Without psychosis.....	-	-	-	-	-	-	1	-	1	-	-	-
Total.....	9	6	15	3	9	12	11	9	20	10	5	15

TABLE 17.—*Age of Patients at Time of Death Classified with Reference to Principal Psychoses for the Year Ending September 30, 1926—Concluded*

PSYCHOSES	55—59 YEARS			60—64 YEARS			65—69 YEARS			70 YEARS AND OVER		
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	—	—	—	—	2	2	2	3	5	6	18	24
3. With cerebral arteriosclerosis.....	2	5	7	3	5	8	8	8	11	18	9	27
4. General paralysis.....	3	1	4	—	1	1	1	—	1	1	—	1
5. With cerebral syphilis.....	—	—	—	—	—	—	2	—	2	—	—	—
6. With Huntington's chorea.....	1	—	1	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	2	—	2	—	—	—	—	—	—	1	—	1
9. Alcoholic.....	1	—	1	1	—	1	1	—	1	1	1	2
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	1	—	1	—	—	—
12. With other somatic diseases.....	—	3	3	—	2	2	1	1	2	—	1	1
13. Manic-depressive.....	—	1	1	2	1	3	1	—	1	1	2	3
14. Involution melancholia.....	1	—	1	1	—	1	1	—	1	—	—	—
15. Dementia praecox.....	—	2	2	1	2	3	—	1	1	1	4	5
16. Paranoia and paranoid conditions.....	—	—	—	—	—	—	—	1	1	—	—	—
17. Epileptic psychoses.....	—	—	—	—	—	—	—	—	—	1	—	1
18. Psychoneuroses and neuroses.....	1	—	1	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses.....	—	1	1	1	—	1	1	—	1	—	1	1
22. Without psychosis.....	1	—	1	—	—	—	—	—	—	—	—	—
Total.....	12	13	25	9	13	22	19	9	28	30	36	66

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital Classified according to Principal Psychoses for the Year Ending September 30, 1926*

PSYCHOSES	TOTAL			LESS THAN 1 MONTH			1—3 MONTHS			4—7 MONTHS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	8	23	31	1	2	3	3	9	12	1	4	5
3. With cerebral arteriosclerosis	31	22	53	10	8	18	6	2	8	4	—	4
4. General paralysis	20	7	27	2	2	4	6	2	8	2	—	2
5. With cerebral syphilis	3	—	3	1	—	1	1	—	1	—	—	—
6. With Huntington's chorea	1	—	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	1	—	1	—	—	—	—	—	—
8. With other brain or nervous diseases	6	2	8	3	—	3	—	1	1	1	—	1
9. Alcoholic	7	1	8	2	—	2	1	—	1	3	—	3
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	1	—	1	—	—	—
11. With pellagra	2	—	2	1	—	1	—	—	—	—	—	—
12. With other somatic diseases	3	9	12	2	5	7	—	1	1	1	2	3
13. Manic-depressive	5	14	19	—	8	8	2	—	2	—	—	—
14. Involution melancholia	3	2	5	—	—	—	—	—	—	—	—	—
15. Dementia praecox	12	23	35	—	—	—	2	1	3	—	—	—
16. Paranoia or paranoid conditions	—	1	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	4	7	2	3	5	—	—	—	1	—	1
18. Psychoneuroses and neuroses	1	—	1	—	—	—	1	—	1	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	—	2	2	—	1	1	—	—	—	—	—	—
21. Undiagnosed psychoses	3	2	5	1	—	1	—	—	—	1	—	1
22. Without psychosis	2	—	2	—	—	—	—	—	—	—	—	—
Total	112	112	224	26	29	55	23	16	39	14	6	20

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital Classified according to Principal Psychoses for the Year Ending September 30, 1926—Continued.*

PSYCHOSES	8—12 MONTHS			1—2 YEARS			3—4 YEARS			5—10 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	2	1	3	—	3	3	—	1	1	1	3	4
3. With cerebral arteriosclerosis	2	1	3	6	9	15	2	1	3	1	1	2
4. General paralysis	—	—	—	5	2	7	4	1	5	—	—	—
5. With cerebral syphilis	1	—	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	1	—	1	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	—	1	1	—	1	—	—	—	—	—	—
9. Alcoholic	—	—	—	—	—	—	—	—	—	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	1	—	1	—	—	—
12. With other somatic diseases	—	—	—	—	—	—	—	1	1	—	—	—
13. Manic-depressive	1	—	1	—	5	5	1	—	1	1	—	1
14. Involution melancholia	—	—	—	—	1	1	2	—	2	1	1	2
15. Dementia praecox	—	2	2	3	4	7	—	2	2	5	7	12
16. Paranoia or paranoid conditions	—	1	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	1	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	—	—	—	—	—	—	—	—	—	1	—	1
21. Undiagnosed psychoses	—	—	—	1	—	1	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	1	—	1	1	—	1
Total	7	5	12	17	25	42	11	6	17	11	13	24

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital Classified according to Principal Psychoses for the Year Ending September 30, 1926—Concluded.*

PSYCHOSES	11—14 YEARS			15—19 YEARS			20 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—
2. Senile.....	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	—	—	—	—	—	—	—	—	—
4. General paralysis.....	1	—	1	—	—	—	—	—	—
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	—	—	—	—	—	—	1	1	—
9. Alcoholic.....	—	—	—	1	1	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	—	—	—	—	—	—	—	—
13. Manic-depressive.....	—	—	—	—	—	—	1	1	—
14. Involution melancholia.....	—	—	—	—	—	—	—	—	—
15. Dementia praecox.....	—	—	—	1	2	3	1	5	6
16. Paranoia or paranoid conditions.....	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses.....	—	1	1	—	1	1	—	—	—
22. Without psychosis.....	—	—	—	—	—	—	—	—	—
Total.....	1	1	2	1	4	5	1	7	8

TABLE 19.—*Family Care*

	M.	F.	T.
Remaining September 30, 1925.....	—	17	17
Admitted.....	—	4	4
Whole number within year.....	—	21	21
Dismissed.....	—	—	—
Returned to institution.....	—	1	1
Discharged.....	—	—	—
Died.....	—	2	2
On Visit.....	—	—	—
On escape.....	—	—	—
Remaining September 30, 1926.....	—	18	18
State.....	—	14	14
Self-supporting.....	—	—	—
Private.....	—	4	4
Daily average number.....	—	16.60	16.60
State.....	—	12.85	12.85
Private.....	—	3.75	3.75
Self-supporting.....	—	—	—

The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

Mass. DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1927

DEPARTMENT OF MENTAL DISEASES



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November 30, 1927

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The Commonwealth of Massachusetts

TRUSTEES' REPORT

To His Excellency, the Governor, and the Honorable Council:

In accordance with statutory provision, the Trustees of the Danvers State Hospital submit their fiftieth annual report together with the reports of the Superintendent and Treasurer and the statistics required by law. The report of the Superintendent and various department heads provide a record of hospital activities for the year of 1927.

Dr. John B. Macdonald, the Superintendent passed away on September 6, 1927, after a long illness. It is our wish to pay tribute to his memory. His faithful and loyal devotion to duty, his love of the patients entrusted in his care, and his regard for all employees commanded our admiration and respect.

During the year two important construction projects were begun. The addition to the attendants' home, and the erection of a new industrial building. The addition to the home will greatly relieve the inadequate rooming situation of our employees. The new industrial building offers splendid opportunity for increased occupational therapy and added space for the manufacture of such hospital necessities as can be prepared by the patients and employees.

The Board of Trustees desires to call attention to certain needs of the institution

which should be met in the near future. The first project is a repetition of the request of last year. There is need of an appropriation to raze the old power plant building and to remove old and discontinued equipment therefrom. Also to rearrange steam, brine, water and electric lines so that a new building for kitchen and bakery can be erected on this site. This change would also favorably affect the fire pump so that water would flow to it by gravity and in constant quantity. The pump now operates at a disadvantage and is not available for instant action as it should be.

We recommend that two new cottages of standard D. M. D. type be built for use of officers of the institution. This will provide a much needed accommodation for members of the medical staff who are married. Remodelling of the disused gas house will provide quarters for some forty patients and employees who work on the farm and are now quartered in undesirable buildings. This can be done readily and at reasonable cost.

In closing this report the Board wishes to express its appreciation of the efforts of those officers who so capably performed their duties during the last hospital year.

S. HERBERT WILKINS, *Chairman*
DR. ARTHUR C. NASON
HON. JAMES F. INGRAHAM

W. W. LAWS
MRS. ANNA P. MARSH
MRS. ANNIE T. FLAGG

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

I have the honor to submit the annual report of the Superintendent, covering the operation of the hospital for the fiscal year ending November 30th, 1927, and including statistics concerning patients for the year ending September 30th, 1927.

The illness of the Superintendent, Dr. John B. Macdonald, terminating in his death on September 5th, 1927, left the institution in a somewhat prolonged state of interregnum. However, under the guidance of the Assistant Superintendent, the medical work was carried on and the patients received good medical care. Other changes in the medical personnel during the year appear later in this report.

MOVEMENT OF POPULATION

When the hospital year opened on October 1st, 1926, there were 1,716 patients in the hospital, 309 on visit, 28 on escape, and 18 in family care, — a total of 2,071.

At the close of the year September 30th, 1927, there were 1,809 in the hospital, 225 on visit, 12 on escape, and 22 in family care, — a total of 2,068.

The number of admissions for the year was 690, an increase of 7 over the preceding year. The males numbered 364, and the females 326.

Two men and three women were admitted as voluntary patients. 225 men and 179 women, a total of 404, were admitted on temporary care papers, and 25 patients were transferred from other institutions.

FIRST ADMISSION

Patients admitted for the first time to this or any hospital numbered 510, a decrease of 21 as compared with last year.

DAILY POPULATION

The daily average population was 1,765, an increase of 81. The whole number treated during the year was 2,761, 13 more than the preceding year.

The death rate for the year was 235 as against 224 the preceding year, an average of 8% on the basis of total number of cases under treatment.

DISMISSALS

There were 693 dismissed during the year, 373 men and 320 women.

There were discharged as recovered 42 patients as compared with 51 patients in 1926; as improved 224 as against 249 last year; as unimproved 99 as compared with 39 in 1926; and as not insane 30, as compared with 45 in 1926.

At the end of the year there were 225 patients on trial visit in care of friends or under hospital supervision as compared with 309 at the end of the previous year.

Since the organization of the hospital 27,335 patients have been admitted and 25,135 discharged.

EX-SERVICE MEN UNDER CARE

Number of admissions, 47; number of return visits, 12; number of return escapes, 5; number discharged, 17; number discharged by death, 3; number on visit, 16; number transferred, 6; number removed from list, 7; number on escape, 4. Total number in the hospital October 1, 1926, 44. Total number admitted during the year, 64; total number discharged during the year, 53; total number in the hospital September 30, 1927, 55; total number treated during the year, 108.

MEDICAL ADMINISTRATION

The following changes in the Staff personnel took place during the year:

Appointments

Dr. Clayton E. Hoover, appointed Asst. Physician, Dec. 4, 1926
 Dr. George E. Lemaitre, appointed Asst. Physician, June 4, 1927
 Dr. Edward M. Smith, appointed Asst. Physician, June 20, 1927
 Dr. Romeo J. Lapierre, appointed Asst. Physician, July 4, 1927
 Dr. Charles H. Endee, appointed dentist, July 18, 1927
 Dr. Dupre M. Hall, appointed Senior Assistant Physician, August 11, 1927
 Dr. Lillian DeArmit, appointed Asst. Physician, November 1, 1927

Resignations

Dr. C. R. Learn, Asst. Physician, resigned December 2, 1926
 Dr. Sigmund P. Rose, Dentist, resigned February 22, 1927
 Dr. Dupre M. Hall, Asst. Physician, resigned May 15, 1927
 Dr. Clayton E. Hoover, Asst. Physician, resigned May 31, 1927
 Dr. Gerald F. Houser, Asst. Physician, transferred to Boston State Hospital, November 12, 1927
 Dr. Edward M. Smith, Asst. Physician, resigned November 27, 1927

STUDENT INTERNES

The following students served through the summer months of 1927:

Mr. Lewis H. Loeser, May 23, 1927 to September 10, 1927
 Mr. William Worcester Elgin, June 6, 1927 to September 10, 1927
 Mr. Patrick J. Lynam, June 13, 1927 to August 20, 1927
 Mr. Perrin Newell Freeman, June 13, 1927 to August 20, 1927
 Miss Marie Catherine St. Angelo, June 13, 1927 to August 20, 1927

LABORATORY

The laboratory has been without a pathologist since Dr. L. Raymond Morrison resigned because of ill health. Mrs. Stevenson, the technician, however, carried on the routine work very efficiently until her resignation October 15, 1927, and various members of the medical staff have supervised the research and special work.

ENTERTAINMENTS

The patients have enjoyed dances and motion picture entertainments each week during the fall and winter. In the summer base ball games, athletic games, and walks have been participated in by both patients and employees.

Fourth of July was celebrated in the usual manner, the morning being devoted to competitive races and other sports and games for the patients and employees. The parade of floats, celebrating the 175th anniversary, came up around the hill to enable the patients and employees the privilege of viewing a most beautiful parade. The regular Fourth of July dinner of fresh salmon, green peas, and water-melon was served the patients and employees. In the afternoon a ball game between the staff and employees was played for the entertainment of the patients.

The hospital orchestra made up of patients and employees under the personal direction of Mr. Carl Peterson, have furnished music for two meals a day in the large dining room as well as for the dances and moving picture entertainments each week.

Christmas was celebrated at the institution by special entertainments and festivities. There were religious services both morning and afternoon on Christmas Day. The wards were very attractively decorated, the work being done mostly by patients. Two large trees were placed on the front lawns, one on the male side and one on the female side. These were prettily decorated, the work being done by Mr. Suel E. Stevens, head electrician.

IMPROVEMENTS

Under the direction of the Foreman Mechanic, Mr. Carlton B. Mosher, the following improvements have been completed:

Most all of the wards have been painted and renovated during the year.

The fire tower at Grove Hall has been completed.

Work was begun on the New Industrial Building.

Excavations have begun on the cellar of the New Male Home. New bids are being received at the Department of Mental Diseases.

A new refrigerating system has been installed at the Middleton Colony.

The verandas on the "C" and "H" buildings have been completed. These sections enclosed in glass permit the free access of sun and air and also provide an exercise pavilion. Probably no feature of the institution is more valuable to the patients than these additions. Not only do they serve in the capacities as mentioned above but in the better wards they are utilized as sunparlors and many of the patients take advantage of these sections to read and converse with one another.

Aside from these large projects, the regular repairs throughout the institution have been carried on, and the attractive appearance of the ward sections testifies to a prompt and efficient repair system. For the most part the painted surfaces are in excellent condition, both wood work and wall space being well preserved. This holds true for the outlying buildings as well as for the main building. The replacement of plumbing fixtures in the "J" and "A" ward sections was gotten well under way during the year, the work being done by our own force of carpenters, masons and plumbers.

THE FARM

The farm under the direction of William W. Gordon produced the usual amount of food for the table, the one exception being potatoes, which on account of a wet season yielded only 2,000 bushels instead of 5,000 as in the previous year. All other crops came up to the average of former years.

Milk production was larger than for any former year, the daily average being 1,312 quarts or a total for the whole year of 478,853.

The dairy herd having for three consecutive years passed 100 per cent non-reacting in the State tuberculosis test, the institution was awarded an accredited herd certificate by the United States Department of Agriculture, Bureau of Animal Industry, and the State of Massachusetts.

In the Fall of 1926, the prevalence of disease among the hens made it necessary to kill off the entire flock, and early in 1927 the hen houses, yards and fences were thoroughly cleaned, disinfected and rebuilt. In April 1927, 3,000 day-old chicks were purchased, and after killing off the males and undesirable pullets a flock of 1,100 hens remained at the end of the year.

The swine department furnished over sixty thousand pounds of dressed pork to the institution, about the same amount as in former years.

OCCUPATIONAL DEPARTMENT

The Industrial and Educational department has made many useful things for the wards, and has contributed to the decorations for the holiday season.

OUT-PATIENT SERVICE

There has been an increasing demand from the community for clinics dealing with the study and care of children, and occasionally for speakers on the subject of mental hygiene. This hospital has endeavored to give this service to the community. The out-patient clinics and school clinics have been in charge of the staff physicians.

OUR NEEDS

For many years the institution has felt the need of additional space for the care of patients.

The classification of patients is an important factor in their care and treatment. In order to give recoverable patients the best possible chance to recover, we should protect them from all depressing influences and especially from daily contact with patients who are in need of permanent custodial care. But the present crowded condition of our wards makes it impossible to draw a sharp dividing line between the acute and chronic services, and the unfortunate combination of the two types of case is detrimental to the best interests of the recoverable case.

The Department has from time to time arranged for the transfer of a few patients of the chronic type, but the relief is only for a short period. The active admission list soon replaces all patients removed by transfer or discharge.

A new receiving ward with beds for each sex would make it possible to reorganize the classification of the patients and to keep the acute cases wholly separate from chronic cases.

RELIGIOUS SERVICES

Religious services have been held regularly throughout the year. The Catholic clergyman held services in the morning and the Protestant clergyman in the afternoon. Services were held at the Middleton Colony one Sunday each month. The Jewish rabbi from Boston called once a month throughout the year to hold services for those of the Hebrew faith.

Sick calls have been faithfully answered by all clergymen, day or night as the occasion arose.

ACKNOWLEDGMENTS

The following friends of the hospital have generously contributed money, fruit, candy, clothing, books, Victrola records, etc., for the entertainment of the patients:

Mr. Joseph Martini, \$10.00, Haverhill; Mr. James Gaffney, services of Mackey's Orchestra, Danvers; Mrs. Viola C. Griffin, West Newbury; Mrs. Jones, \$10., Malden; Mrs. Robert L. O'Brien, Disabled Veterans Christmas Remembrance Committee, check for \$44., Boston; Mrs. E. J. Pike, Boston; The Juliana Candy Company, candy, Haverhill; Mrs. Alice Inman, shoes and Sunday papers, Greenwood; Christian Science Publishing Company, subscription to Christian Science Monitor, Boston; Directors of Putnam Home, piano, Danvers; Mrs. Thaxter Eaton, Andover; Judith Badger Cogswell Chapter, D. R. of Haverhill; Mrs. D. R. Beckford, Victrola and records, Dedham; Mrs. A. E. Liebsch, cards and books, Salem; Mrs. G. M. Bowditch, cards, Chelsea; Patriotic Committee of the Daughters of the Revolution, Lynn; Mrs. Alexander Wadsworth, King's Daughters baskets of jellies and delicacies, Andover; James F. Barton, the American Legion, Indianapolis, Ind.; Dr. L. Vernon Briggs, Boston; Mrs. L. S. Nickerson, Victrola records, Woburn; Mrs. E. J. Pike, 10 books, Boston; First Church of Christ Science, magazines, Salem; A. E. Robertson, donation of magazines, North Andover; Walter C. Dunnels, 200 Ladies Home Journals, Danvers.

STEWARD'S DEPARTMENT

Commendation should be given the Steward's Department for very efficient business management which in its coordination with the medical division maintains the progress of the institution.

I desire to report the passing of Mrs. Margaret Winslow on December 1, 1927,

who had served this institution faithfully and efficiently for twenty-five years. Mrs. Jean Smith has been appointed to succeed the late Mrs. Winslow.

In concluding this report, I desire to thank all of the associates in work for their loyal and efficient service, and the Department of Mental Diseases and Trustees for their wise counsel.

Respectfully submitted,

CLARENCE A. BONNER, M.D., *
Superintendent.

THE TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

I herewith submit the fiftieth annual report of the Training School for Nurses:

The graduating Class of 1927: Mabel Frances Champion, Cecelia Margaret Gallant, Helen Burke MacDonald, Grace Gertrude Manning, Mary Jane Roberts, Mary Marguerite Woodford.

School Personnel: Principal of School of Nursing, 1; Assistant Principal of School of Nursing, 1; Chief Hospital Supervisor, 1; Supervisor, day, 1; Supervisor, night, 1; Head nurses — graduates of Danvers State Hospital, 6; graduates of other hospitals, 3. Intermediate pupils at affiliating school, Boston City Hospital, 8.

On December 1, 1927, our pupils were as follows: Seniors, 4; Intermediates, 8; Juniors, 10.

Miss Mary Jane O'Sullivan died on February 3, 1927 after one month's illness. Miss O'Sullivan graduated June 16, 1897 remaining at the hospital until her death.

Respectfully submitted,

OLIVE F. ESTEY, R. N.

Principal of the School of Nursing.

SOCIAL SERVICE STATISTICS

December 1, 1926 to November 30, 1927

I. Numerical Summary of Cases.

New Cases:

Hospital Cases: House patients, male 143; female 120; Out-Patients male 35; female 40.

Community Cases: Clinic cases, male 5; Others male 4; female 2.

Renewed Cases from Previous Years:

Hospital Cases: House patients, male 10, female 5; Out-Patients male 2, female 12;

Continued Cases from Previous Month:

Hospital Cases: House patients, male 12, female 13; Out-patients, male 9, female 38.

Community cases: Clinic cases, 1; Others, 3.

II. Sources of New Cases.

1. No. cases referred by Physicians, 0
2. No. cases referred by Community Agencies, 2
3. No. cases referred by Friends or relatives, 3
4. No. cases referred by Initiative of Patients, 4

III. Analysis of Work.

1. Purposes for which cases were referred:

(a) Histories of Patients	{ Taken at Hospital, 128 { Taken outside Hospital, 106

*Appointed after close of year.

- (b) Investigation {
 - Conduct Disorders, 18
 - Employment Situations, 5
 - Home Conditions, 33
 - Statements of Patients, 8
 - Statements of Others, 14
 - (c) Supervision {
 - In home, 128
 - In Industry, 4
 - In community, 8
 - (d) Care of Patients' Families, 4
 - (e) Personal Service, 0
 - (f) Placement, 10
- 2. Problems:
 - (a) Disease {
 - Mental, 11
 - Physical, 3
 - (b) Environment {
 - Financial Difficulties, 3
 - Employment Difficulties, 4
 - Unsuitable Surroundings
 - Friction {
 - Family, 7
 - Others, 5
 - Marital Difficulties, 14
 - (c) Personality Problems {
 - Temperament, 12
 - Anti-social Habits, 9
 - Vacillating interest, 0
 - (d) Educational Problems: Readjustment Habits of Mind, 7
 - (e) General Problems: Deportation, 1

IV. Service Rendered

- 1. Medical:
 - (a) Contribution of information re: Medical History, 234
 - (b) Contribution of information re: Home conditions, 33
 - (c) Contribution of information re: Condition of Out-Patients, 36
 - (d) Arrangements for Medical Assistance, 3
- 2. Social:
 - (a) Adjustments for Patients {
 - Environment, 7
 - Personal Relations, 4
 - (b) Adjustments for patients in Industry, 3
 - (c) Advice {
 - To Relatives, 18
 - To patients, 5
 - To others, 4
 - (d) Connecting {
 - with Agencies, 6
 - with Individuals, 1
 - (e) Family assistance, miscellaneous, 3
 - (f) Placement Work {
 - Home, 6
 - Industry, 3

V. Supervision Work.

- To patients on ward, 24
 - To patients on visit, 54
 - Visits {
 - To relatives or friends, 60
 - To social agencies, 14
 - To others, 27

No. patients in care of other agencies, 2

2. Family Care Patients:

- (a) No. patients visited, 63
- (b) No. patients discharged from family care, 4
- (c) No. boarding homes investigated, 2

VI. Clinic Work.

Hospital Clinics	{	No. clinics attended, 49
		No. interviews with patients, 144
		No. interviews with relatives, 84

VII. Miscellaneous.

1. Amount of expense account	{	School or community clinic work, 0
		Hospital work, \$300.05
2. Account of Time	{	No. days in Hospital, 247½
		No. days outside hospital, 290

Special Features:

- Lectures, 4.
- Conferences attended, 26
- Visits to other institutions, 3

Respectfully submitted,
MARY H. HOLLAND,
Head S. W.

TREASURER'S REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1927

CASH ACCOUNT			
Receipts			
Income			
Board of Patients.....	\$153,805 26		\$153,805 26
Personal Services:			
Reimbursement from Board of Retirement.....		240 55	
Sales:			
Food.....	\$934 74		
Clothing and Materials.....	409 78		
Furnishings and household supplies.....	50 50		
Medical and General Care.....	128 53		
Heat, Light and Power.....	25 65		
Farm:			
Cows and calves.....	\$380 80		
Pigs and hogs.....	9 58		
Hides.....	141 29		
Ice.....	2 00		
Wood.....	65 00		
Sundries.....	314 01		
	912 68		
Garage, Stable and Grounds.....	132 03		
Repairs, Ordinary.....	443 42		
Total sales.....		\$3,037 33	
Miscellaneous:			
Interest on bank balances.....	\$179 91		
Rent.....	372 50		
		\$552 41	
Total Income.....			\$157,635 55
MAINTENANCE			
Balance from previous year, brought forward.....			\$12,633 58
Appropriations, current year.....	\$649,940 00		
Less transfer to "Personal Services," other institutions.....	2,500 00		
			\$647,440 00
Total.....			\$660,073 58
Expenses (as analyzed below).....			635,112 94
Balance reverting to Treasury of Commonwealth.....			\$24,960 64
Analysis of Expenses			
Personal Services.....	\$307,309 14		
Religious Instruction.....	2,032 06		
Travel, transportation and office expenses.....	5,251 44		
Food.....	108,703 60		
Clothing and materials.....	20,545 62		
Furnishings and household supplies.....	38,925 94		
Medical and general care.....	27,795 78		
Heat, light and power.....	53,925 70		
Farm.....	26,420 84		
Garage, stable and grounds.....	4,872 41		
Repairs, Ordinary.....	19,566 27		
Repairs and Renewals.....	19,759 14		
Total expenses for Maintenance.....			\$635,112 94

SPECIAL APPROPRIATIONS

Balance December 1, 1926	\$48,242 64
Appropriations for current year	92,000 00
Total	\$140,242 64
Expended during the year (see statement below)	\$69,914 85
Reverting to Treasury of Commonwealth	39 94
	69,954 79
Balance November 30, 1927, carried to next year	\$70,287 85

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Wire Fence	211 of 1925	\$1,200 00		\$1,193 98	6 02*
Motor Drive	211 of 1925	1,400 00	184 18	1,398 84	1 16*
Automatic Draft Control	211 of 1925	2,500 00	98 00	2,499 00	1 00*
Moving Dayton Hall	211 of 1925	3,500 00	163 76	3,489 81	10 19*
Fire Protection, 1925	347 of 1925	18,000 00	12,419 74	17,978 43	21 57*
Verandas C & H	79 of 1926	50,000 00	34,452 25	49,997 20	2 80
Garage Extension	79 of 1926	5,000 00	841 62	4,959 65	40 35
Space for Industries	138 of 1927	16,000 00	3,335 76	3,335 76	12,664 24
Male Attendants' Home	138 of 1927	65,000 00	15,547 47	15,547 47	49,452 53
Renovating Plumbing	138 of 1927	6,000 00			6,000 00
Plumbing, Middleton	138 of 1927	3,000 00	874 70	874 70	2,125 30
Improvements Coal Trestle	138 of 1927	2,000 00	1,997 37	1,997 37	2 63
		\$173,600 00	\$69,914 85	\$103,272 21	\$70,327 79

Balance reverting to Treasury of the Commonwealth during year (mark item with *)	39 94
Balance carried to next year	70,287 85
Total as above	\$70,327 79

PER CAPITA

During the year the average number of inmates has been 1,782
 Total cost for maintenance, \$635,112.94
 Equal to a weekly per capita cost of \$6.8539 (52 weeks to year)
 Receipt from sales, \$3,037.33
 Equal to a weekly per capita of \$.0327
 All other institution receipts, \$154,598.22
 Equal to a weekly per capita of \$1.6683
 Net weekly per capita \$5.1529

Respectfully submitted

GLADYS E. LEACH, TREASURER

VALUATION

NOVEMBER 30, 1927

REAL ESTATE

Land, 517 acres	\$89,640 00
Buildings	2,531,359 47
	\$2,620,999 47

PERSONAL PROPERTY

Travel, transportation and office expenses	\$3,207 35
Food	15,040 68
Clothing and materials	18,624 72
Furnishings and household supplies	112,155 63
Medical and general care	13,200 46
Heat, light and power	12,958 51
Farm	65,896 84
Garage, stables and grounds	7,463 38
Repairs	20,857 54
	\$269,405 11

SUMMARY

Real Estate	\$2,620,999 47
Personal Property	269,405 11
	\$2,890,404 58

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. — *General Information*

1. Date of opening as an institution for the insane, May 13, 1878						
2. Type of institution, State						
3. Hospital plant:						
Value of hospital property:						
Real estate including buildings.....						\$2,620,999 47
Personal property.....						269,405 11
Total.....						\$2,890,404 58
Total acreage of hospital property owned, 517						
(Includes grounds, farm and garden and sites occupied by buildings)						
Additional acreage rented, 150						
Total acreage under cultivation during previous year, 349						
4. Officers and employees:						
	ACTUALLY IN SERVICE			VACANCIES AT END		
	AT END OF YEAR			OF YEAR		
	M.	F.	T.	M.	F.	T.
Superintendent	—	—	—	1	—	1
Assistant physicians.....	6	2	8	5	—	5
Medical internes.....	—	—	—	—	—	—
Clinical assistants.....	4	1	5	—	—	—
Total physicians.....	10	3	13	6	—	6
Stewards.....	1	—	1	—	—	—
Resident dentists.....	1	—	1	—	—	—
Pharmacists.....	1	—	1	—	—	—
Graduate Nurses.....	—	17	17	—	1	1
Other nurses and attendants.....	74	102	176	15	14	29
Teachers of occupational therapy.....	1	3	4	—	—	—
Social workers.....	—	2	2	—	—	—
All other officers and employees.....	79	52	131	20	25	45
Total officers and employees.....	157	176	333	35	40	75
5. Census of patient population at end of year:						
	ACTUALLY IN			ABSENT FROM IN-		
	INSTITUTION			STITUTION BUT STILL		
				ON BOOKS		
	M.	F.	T.	M.	F.	T.
White:						
Insane.....	768	1023	1791	125	123	248
All other cases.....	8	6	14	—	—	—
Total.....	776	1029	1805	125	123	248
Colored						
Insane.....	12	2	14	—	—	—
Grand Total.....	788	1031	1819	125	123	248
				M.	F.	T.
6. Patients employed in industrial classes or in general hospital work on date of report.....				485	519	1004
7. Average daily number of all patients actually in institution during year.....				776	1003	1779
8. Voluntary patients admitted during year.....				2	3	5
9. Persons given advice or treatment in out-patient clinics during year.....				277	192	469

TABLE 2. — *Financial Statement*

See Treasurer's report for data requested under this table.

TABLE 3. — *Movement of Patient Population for the Year ending September 30, 1927*

	TEMPORARY CARE			INSANE			VOLUNTARY SANE			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on books of institution September 30, 1926.....	2	4	6	916	1149	2065	-	-	-	918	1153	2071
Admissions during year:												
(a) First Admissions.....	47	27	74	228	206	434	-	2	2	275	235	510
(b) Readmissions.....	17	11	28	59	65	124	2	1	3	78	77	155
Total admissions.....	64	38	102	287	271	558	2	3	5	353	312	665
(c) Transfers from other institutions.....	-	-	-	11	14	25	-	-	-	11	14	25
2. Total received during year.....	64	38	102	298	285	583	2	3	5	364	326	690
3. Total under treatment during year.....	66	42	108	1214	1434	2648	2	3	5	1282	1479	2761
Discharged from books during year:												
(a) As recovered.....	26	5	31	11	-	11	-	-	-	37	5	42
(b) As improved.....	4	2	6	115	103	218	-	-	-	119	105	224
(c) As unimproved.....	8	6	14	49	35	84	-	1	1	57	42	99
(d) As not insane.....	15	10	25	1	2	3	-	2	2	16	14	30
(e) Transferred to other institutions for insane.....	-	-	-	38	20	58	-	-	-	38	20	58
(f) Died during year.....	6	9	15	99	121	220	-	-	-	105	130	235
(g) Nominal dismissals for commitment.....	1	5	-	-	-	-	-	-	-	1	4	5
4. Total discharges from books during year.....	60	36	96	313	281	594	-	3	3	373	320	693
5. Patients remaining on books of institution Sept. 30, 1927.....	6	6	12	901	1153	2054	2	-	2	909	1159	2068

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions for the Year ending September 30, 1927*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	Males	Females	Total	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States	139	118	257	80	79	159	62	59	121
Africa	—	—	—	—	—	—	2	—	2
*Asia	4	2	6	4	4	8	—	2	2
Australia	—	—	—	—	—	—	2	—	2
Austria	1	2	3	2	2	4	—	2	2
Belgium	—	—	—	—	—	—	1	1	2
†Canada	16	19	35	28	27	55	33	28	61
England	2	5	7	10	7	17	9	8	17
†Europe	3	1	4	3	2	5	1	1	2
Finland	—	2	2	1	2	3	2	3	5
France	—	1	1	—	—	—	—	—	—
Germany	3	2	5	4	4	8	3	3	6
Greece	4	1	5	4	4	8	1	1	2
Ireland	17	20	37	36	39	75	42	43	85
Italy	11	13	24	12	12	24	14	14	28
Poland	7	4	11	8	7	15	6	6	12
Portugal	2	2	4	3	3	6	4	3	7
Russia	13	6	19	15	16	31	7	7	14
Scotland	3	1	4	3	3	6	3	1	4
Sweden	1	2	3	2	2	4	3	5	8
Turkey in Asia	1	2	3	1	1	2	1	1	2
Wales	—	—	—	—	—	—	—	1	1
†West Indies	—	1	1	—	1	1	1	1	2
Unascertained	1	2	3	12	13	25	9	16	25
Total	228	206	434	228	228	456	206	206	412

*Not otherwise specified

†Includes Newfoundland

‡Except Cuba and Porto Rico

TABLE 5. — *Citizenship of First Admissions for the Year ending September 30, 1927*

	Males	Females	Total
Citizens by birth.....	139	119	258
Citizens by naturalization.....	37	30	67
Aliens.....	42	50	92
Citizenship unascertained.....	10	7	17
Total.....	228	206	434

TABLE 6. — *Psychoses of First Admissions for the Year ending September 30, 1927*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses.....	—	—	—	1	—	1
2. Senile psychoses.....	—	—	—	8	24	32
3. Psychoses with cerebral arteriosclerosis.....	—	—	—	49	35	84
4. General Paralysis.....	—	—	—	28	4	32
5. Psychoses with cerebral syphilis.....	—	—	—	—	1	1
6. Psychoses with Huntington's chorea.....	—	—	—	1	—	1
7. Psychoses with brain tumor.....	—	—	—	—	—	—
8. Psychoses with other brain or nervous diseases, total.....	—	—	—	4	—	4
Other diseases.....	4	—	4	—	—	—
9. Alcoholic psychoses, total.....	—	—	—	24	2	26
Delirium tremens.....	1	—	1	—	—	—
Acute hallucinosis.....	9	1	10	—	—	—
Other types, acute or chronic.....	14	1	15	—	—	—
10. Psychoses due to drugs and other exogenous toxins, total.....	—	—	—	2	2	4
Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined.....	—	1	1	—	—	—
Other exogenous toxins.....	2	1	3	—	—	—
11. Psychoses with pellagra.....	—	—	—	—	—	—
12. Psychoses with other somatic diseases, total.....	—	—	—	7	14	21
Delirium with infectious diseases.....	1	2	3	—	—	—
Post-infectious psychoses.....	—	2	2	—	—	—
Exhaustion delirium.....	1	4	5	—	—	—
Delirium of unknown origin.....	—	1	1	—	—	—
Cardio-renal diseases.....	1	3	4	—	—	—
Other diseases or conditions.....	4	2	6	—	—	—
13. Manic-depressive psychoses, total.....	—	—	—	13	13	26
Manic type.....	1	3	4	—	—	—
Depressive type.....	9	10	19	—	—	—
Other types.....	3	—	3	—	—	—
14. Involution melancholia.....	—	—	—	1	7	8
15. Dementia praecox (schizophrenia).....	—	—	—	61	80	141
16. Paranoia and paranoid conditions.....	—	—	—	—	2	2
17. Epileptic psychoses.....	—	—	—	3	3	6
18. Psychoneuroses and neuroses, total.....	—	—	—	4	4	8
Neurasthenic type.....	—	2	2	—	—	—
Other types.....	4	2	6	—	—	—
19. Psychoses with psychopathic personality.....	—	—	—	2	—	2
20. Psychoses with mental deficiency.....	—	—	—	13	4	17
21. Undiagnosed psychoses.....	—	—	—	6	8	14
22. Without psychosis, total.....	—	—	—	1	3	4
Epilepsy without psychosis.....	—	1	1	—	—	—
Mental deficiency without psychosis.....	1	1	2	—	—	—
Others.....	—	1	1	—	—	—
Total.....	—	—	—	228	206	434

TABLE 7. — *Race of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927*

RACE	TOTAL			TRAU- MATIC			SENILE			WITH CEREBRAL ARTERIO- SCLEROSIS			GENERAL PARALYSIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black).....	7	1	8	-	-	-	-	-	-	-	-	-	1	-	1
Armenian.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
English.....	70	57	127	1	-	1	4	7	11	26	13	39	11	2	13
Finnish.....	-	2	2	-	-	-	-	1	1	-	-	-	-	-	-
French.....	14	9	23	-	-	-	-	1	1	1	1	2	2	-	2
German.....	5	3	8	-	-	-	-	1	1	3	-	3	1	-	1
Greek.....	4	-	4	-	-	-	-	-	-	-	-	-	1	-	1
Hebrew.....	2	6	8	-	-	-	-	-	-	-	-	-	-	-	-
Irish.....	46	52	98	-	-	-	2	8	10	13	10	23	5	2	7
Italian*.....	12	15	27	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian.....	2	1	3	-	-	-	-	-	-	-	-	-	1	-	1
Portuguese.....	3	3	6	-	-	-	-	-	-	-	2	2	-	-	-
Scandinavian†.....	2	5	7	-	-	-	-	-	-	1	-	1	-	-	-
Scotch.....	4	5	9	-	-	-	-	-	-	2	1	3	-	-	-
Slavonic‡.....	22	8	30	-	-	-	-	-	-	1	1	2	-	-	-
Syrian.....	2	2	4	-	-	-	-	-	-	-	-	-	1	-	1
Turkish.....	2	1	3	-	-	-	-	-	-	-	1	1	-	-	-
West Indian°.....	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races.....	2	1	3	-	-	-	-	-	-	-	-	-	1	-	1
Mixed.....	17	28	45	-	-	-	1	5	6	2	5	7	2	-	2
Race unascertained.....	11	6	17	-	-	-	1	1	2	-	1	1	2	-	2
Total.....	228	206	434	1	-	1	8	24	32	49	35	84	28	4	32

*Includes "North" and "South."

†Norwegians, Danes and Swedes.

‡Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

°Except Cuban.

TABLE 7. — *Race of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927 — Continued*

RACE	WITH CEREBRAL SYPHILIS			WITH HUNTING- TON'S CHOREA			WITH OTHER BRAIN OR NERVOUS DISEASES			ALCOHOLIC			DUE TO DRUGS AND OTHER EXOGEN- OUS TOXINS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black).....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English.....	-	-	-	-	-	-	-	-	-	1	-	1	1	1	2
Finnish.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French.....	-	-	-	1	-	1	1	-	1	4	-	4	-	-	-
German.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish.....	-	1	1	-	-	-	-	-	-	4	1	5	-	1	1
Italian*.....	-	-	-	-	-	-	-	-	-	2	-	2	1	-	1
Lithuanian.....	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Portuguese.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian†.....	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Scotch.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic‡.....	-	-	-	-	-	-	1	-	1	10	-	10	-	-	-
Syrian.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Indian°.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed.....	-	-	-	-	-	-	-	-	-	2	1	3	-	-	-
Race unascertained.....	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Total.....	-	1	1	1	-	1	4	-	4	24	2	26	2	2	4

*Includes "North" and "South."

†Norwegians, Danes and Swedes.

‡Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

°Except Cuban.

TABLE 7. — *Race of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927 — Continued*

RACE	WITH OTHER SOMATIC DISEASES			MANIC-DEPRESSIVE			INVOLUTION MELANCHOLIA			DEMENTIA PRAECOX			PARANOIA AND PARANOID CONDITIONS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black).....	—	—	—	—	—	—	—	—	—	6	—	6	—	—	—
Armenian.....	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
English.....	3	2	5	3	6	9	—	4	4	10	13	23	—	1	1
Finnish.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
French.....	—	—	—	—	1	1	—	—	—	4	5	9	—	—	—
German.....	—	—	—	1	—	1	—	—	—	—	2	2	—	—	—
Greek.....	—	—	—	1	—	1	—	—	—	1	—	1	—	—	—
Hebrew.....	—	—	—	—	—	—	—	—	—	2	5	7	—	—	—
Irish.....	3	2	5	2	3	5	—	2	2	13	14	27	—	1	1
Italian*.....	—	2	2	1	1	2	—	—	—	4	11	15	—	—	—
Lithuanian.....	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Portuguese.....	—	—	—	—	—	—	—	—	—	3	1	4	—	—	—
Scandinavian†.....	—	2	2	—	—	—	—	—	—	—	2	2	—	—	—
Scotch.....	—	1	1	—	—	—	—	—	—	—	2	2	—	—	—
Slavonic‡.....	1	2	3	—	—	—	—	—	—	7	4	11	—	—	—
Syrian.....	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—
Turkish.....	—	—	—	1	—	1	—	—	—	1	—	1	—	—	—
West Indian°.....	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Other specific races.....	—	—	—	1	—	1	—	—	—	—	1	1	—	—	—
Mixed.....	—	1	1	1	2	3	1	1	2	6	12	18	—	—	—
Race unascertained.....	—	—	—	2	—	2	—	—	—	3	4	7	—	—	—
Total.....	7	14	21	13	13	26	1	7	8	61	80	141	—	2	2

*Includes "North" and "South."

†Norwegians, Danes and Swedes.

‡Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

°Except Cuban.

TABLE 7. — *Race of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927 — Continued*

RACE	EPILEPTIC PSYCHOSES			PSYCHO-NEUROSES AND NEUROSES			WITH PSYCHO-PATHIC PERSONALITY			WITH MENTAL DEFICIENCY			UNDIAGNOSED PSYCHOSES			WITHOUT PSYCHOSIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black).....	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
Armenian.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English.....	—	2	2	1	1	2	1	—	1	6	1	7	2	2	4	—	2	2
Finnish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French.....	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
German.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew.....	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Irish.....	1	—	1	1	2	3	—	—	—	1	—	1	1	4	5	—	1	1
Italian*.....	1	—	1	—	—	—	—	—	—	1	1	2	2	—	2	—	—	—
Lithuanian.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian†.....	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Scotch.....	—	—	—	—	1	1	—	—	—	—	1	1	1	—	1	—	—	—
Slavonic‡.....	—	1	1	—	—	—	—	—	—	2	—	2	—	—	—	—	—	—
Syrian.....	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Turkish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Indian°.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed.....	—	—	—	2	—	2	—	—	—	—	—	—	—	1	1	—	—	—
Race unascertained.....	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Total.....	3	3	6	4	4	8	2	—	2	13	4	17	6	8	14	1	3	4

*Includes "North" and "South."

†Norwegians, Danes and Swedes.

‡Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

°Except Cuban.

TABLE 8. — *Age of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927*

PSYCHOSES	TOTAL			UNDER 15 YEARS			15—19 YEARS			20—24 YEARS			25—29 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	8	24	32	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arterio- sclerosis.....	49	35	84	—	—	—	—	—	—	—	—	—	—	2	2
4. General paralysis.....	28	4	32	—	—	—	—	—	—	1	—	1	—	—	—
5. With cerebral syphilis	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases....	4	—	4	—	—	—	1	—	1	—	—	—	—	—	—
9. Alcoholic.....	24	2	26	—	—	—	—	—	—	—	—	—	2	—	2
10. Due to drugs and other exogenous toxins...	2	2	4	—	—	—	—	—	—	—	—	—	—	1	1
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic dis- eases.....	7	14	21	—	—	—	—	—	—	—	—	—	1	2	3
13. Manic-depressive.....	13	13	26	—	—	—	—	—	—	2	2	—	1	—	1
14. Involution melancholia	1	7	8	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox....	61	80	141	—	—	—	4	3	7	15	8	23	9	12	21
16. Paranoia and paranoid conditions.....	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses...	3	3	6	—	—	—	2	—	2	—	1	1	—	—	—
18. Psychoneuroses and neuroses.....	4	4	8	—	—	—	—	—	—	2	—	2	—	—	—
19. With psychopathic per- sonality.....	2	—	2	—	—	—	—	—	—	—	—	—	1	—	1
20. With mental deficiency	13	4	17	1	—	1	2	1	3	3	—	3	5	—	5
21. Undiagnoses psychoses	6	8	14	—	—	—	1	1	—	2	2	—	—	—	—
22. Without psychosis....	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	228	206	434	1	—	1	9	5	14	21	13	34	19	17	36

TABLE 8. — *Age of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927 — Continued*

PSYCHOSES	30—34 YEARS			35—39 YEARS			40—44 YEARS			45—49 YEARS			50—54 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	—	—	—	—	—	—	—	1	1	—	—	—	—	1	1
3. With cerebral arteriosclerosis.....	—	—	—	—	1	1	1	—	1	1	—	1	—	—	1
4. General paralysis.....	2	—	2	4	—	4	1	1	2	7	—	7	4	2	6
5. With cerebral syphilis.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	—	—	—	1	—	1	—	—	—	—	—	—	2	—	2
9. Alcoholic.....	2	—	2	8	—	8	3	—	3	3	—	3	—	—	—
10. Due to drugs and other exogenous toxins.....	—	1	1	1	—	1	1	—	1	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	2	2	1	3	4	1	—	1	1	3	4	1	1	2
13. Manic-depressive.....	—	1	1	3	—	3	4	1	5	2	3	5	1	1	2
14. Involution melancholia.....	—	—	—	—	—	—	—	2	2	—	1	1	1	3	4
15. Dementia praecox.....	11	13	24	8	18	26	9	11	20	3	5	8	1	9	10
16. Paranoia and paranoid conditions.....	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
17. Epileptic psychoses.....	—	—	—	—	—	—	—	—	—	—	2	2	1	—	1
18. Psychoneuroses and neuroses.....	2	—	2	—	3	3	—	—	—	—	—	—	—	1	1
19. With psychopathic personality.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	—	3	3	—	—	—	—	—	—	1	—	1	—	—	—
21. Undiagnosed psychoses.....	1	—	1	—	—	—	2	3	5	1	—	1	—	2	2
22. Without psychosis.....	—	1	1	—	1	1	—	—	—	1	—	1	—	—	—
Total.....	19	22	41	26	27	53	22	19	41	21	14	35	12	21	33

TABLE 8. — *Age of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927 — Concluded*

PSYCHOSES	55—59 YEARS			60—64 YEARS			65—69 YEARS			70 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	1	—	1	—	—	—	—	—	—
2. Senile.....	—	1	1	2	3	5	1	5	6	5	13	18
3. With cerebral arteriosclerosis.....	1	5	6	5	7	12	10	7	17	30	13	43
4. General paralysis.....	4	1	5	2	—	2	1	—	1	2	—	2
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	3	2	5	1	—	1	2	—	2	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	1	—	1	—	1	1	1	1	2	—	1	1
13. Manic-depressive.....	—	3	3	2	2	4	—	—	—	—	—	—
14. Involution melancholia.....	—	1	1	—	—	—	—	—	—	—	—	—
15. Dementia praecox.....	1	1	2	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions.....	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	—	—	—	—	—	—	—	—	—	1	—	1
21. Undiagnosed psychoses.....	2	—	2	—	—	—	—	—	—	—	—	—
22. Without psychosis.....	—	—	—	—	—	—	—	1	1	—	—	—
Total.....	12	14	26	13	13	26	15	14	29	38	27	65

TABLE 9. — Degree of Education of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927

PSYCHOSES	TOTAL			ILLITERATE			READS AND WRITES*			COMMON SCHOOL			HIGH SCHOOL			COLLEGE			UNASCERTAINED			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic.....	1	8	9	1	2	3	1	2	3	1	5	6	1	16	1	6	1	2	3	1	1	2
2. Senile.....	49	35	84	2	2	4	4	5	9	34	21	55	7	12	19	4	1	5	3	4	2	
3. With cerebral arteriosclerosis.....	28	4	32	2	2	4	1	1	2	18	3	21	5	5	1	1	1	1	1	1	1	
4. General paralysis.....	1	1	2	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
5. With cerebral syphilis.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
7. With brain tumor.....	4	4	8	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	
8. With other brain or nervous diseases.....	24	2	26	8	—	—	4	1	5	11	1	11	1	1	2	—	—	—	—	—	—	
9. Alcoholic.....	2	2	4	—	—	—	—	—	—	—	1	1	2	3	—	—	—	—	—	—	—	
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. With pellagra.....	7	14	21	1	2	3	—	2	3	5	7	12	1	2	3	1	2	3	—	1	1	
12. With other somatic diseases.....	13	13	26	1	—	—	3	1	4	6	7	13	2	4	6	1	2	3	—	—	—	
13. Manic-depressive.....	1	17	18	—	—	—	—	—	—	1	5	6	1	2	3	—	—	—	—	—	—	
14. Involution melancholia.....	61	80	141	1	9	10	4	9	13	41	40	81	9	17	26	5	3	8	1	2	3	
15. Dementia praecox.....	—	2	2	1	2	3	—	1	1	2	2	4	—	—	—	—	—	—	—	—	—	
16. Paranoia and paranoid conditions.....	3	3	6	—	—	—	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	
17. Epileptic psychoses.....	4	4	8	1	1	1	—	—	—	1	1	2	3	1	4	—	—	—	—	—	—	
18. Psychoneuroses and neuroses.....	2	2	4	—	—	—	—	—	—	1	1	2	1	1	1	—	—	—	—	—	—	
19. With psychopathic personality.....	13	4	17	1	—	—	6	2	8	6	6	18	1	—	—	—	—	—	—	—	—	
20. With mental deficiency.....	6	8	14	—	—	—	2	2	4	3	2	8	1	—	—	—	—	—	—	—	—	
21. Undiagnosed psychoses.....	1	3	4	—	2	2	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total.....	228	206	434	18	20	38	27	18	45	139	112	251	30	39	69	10	8	18	4	9	13	

*Includes those who did not complete fourth grade in school

TABLE 10. — *Environment of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927*

PSYCHOSES	TOTAL			URBAN			RURAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	1	—	1	1	—	1	—	—	—
2. Senile.....	8	24	32	7	24	31	1	—	1
3. With cerebral arteriosclerosis.....	49	35	84	49	34	83	—	1	1
4. General paralysis.....	28	4	32	28	4	32	—	—	—
5. With cerebral syphilis.....	—	1	1	—	1	1	—	—	—
6. With Huntington's chorea.....	1	—	1	1	—	1	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	4	—	4	4	—	4	—	—	—
9. Alcoholic.....	24	2	26	23	2	25	1	—	1
10. Due to drugs and other exogenous toxins.....	2	2	4	2	2	4	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	7	14	21	7	14	21	—	—	—
13. Manic-depressive.....	13	13	26	13	13	26	—	—	—
14. Involution melancholia.....	1	7	8	—	5	5	1	2	3
15. Dementia praecox.....	61	80	141	60	80	140	1	—	1
16. Paranoia and paranoid conditions.....	—	2	2	—	2	2	—	—	—
17. Epileptic psychoses.....	3	3	6	3	3	6	—	—	—
18. Psychoneuroses and neuroses.....	4	4	8	4	4	8	—	—	—
19. With psychopathic personality.....	2	—	2	2	—	2	—	—	—
20. With mental deficiency.....	13	4	17	13	4	17	—	—	—
21. Undiagnosed psychoses.....	6	8	14	5	8	13	1	—	1
22. Without psychosis.....	1	3	4	1	3	4	—	—	—
Total.....	228	206	434	223	203	426	5	3	8

TABLE 11. — *Economic Conditions of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927*

PSYCHOSES	TOTAL			DE- PENDENT			MARGINAL			COM- FORTABLE			UNAS- CERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
2. Senile.....	8	24	32	3	5	8	3	16	19	—	3	3	2	—	2
3. With cerebral arteriosclerosis.....	49	35	84	11	4	15	24	24	48	6	3	9	8	4	12
4. General paralysis.....	28	4	32	6	—	6	18	3	21	1	1	2	3	—	3
5. With cerebral syphilis.....	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
6. With Huntington's chorea.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	4	—	4	—	—	—	2	—	2	1	—	1	1	—	1
9. Alcoholic.....	24	2	26	5	—	5	15	1	16	—	1	1	4	—	4
10. Due to drugs and other exogenous toxins.....	2	2	4	—	1	1	1	1	2	—	—	—	1	—	1
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	7	14	21	1	—	1	5	7	12	—	2	2	1	5	6
13. Manic-depressive.....	13	13	26	1	1	2	9	8	17	—	2	2	3	2	5
14. Involution melancholia.....	1	7	8	—	—	—	—	3	3	—	—	—	1	4	5
15. Dementia praecox.....	61	80	141	5	9	14	44	39	83	—	9	9	12	23	35
16. Paranoia or paranoid condition.....	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
17. Epileptic psychoses.....	3	3	6	—	1	1	3	1	4	—	—	—	1	1	1
18. Psychoneuroses and neuroses.....	4	4	8	—	—	—	4	3	7	—	—	—	—	1	1
19. With psychopathic personality.....	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
20. With mental deficiency.....	13	4	17	6	2	8	6	1	7	—	—	—	1	1	2
21. Undiagnosed psychoses.....	6	8	14	1	1	2	4	6	10	—	1	1	1	—	1
22. Without psychosis.....	1	3	4	1	—	1	—	2	2	—	1	1	—	—	—
Total.....	228	206	434	40	24	64	142	118	260	8	23	31	38	41	79

TABLE 12. — *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927*

PSYCHOSES	TOTAL			ABSTINENT			TEM- PERATE			INTEM- PERATE			UNASCR- TAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
2. Senile.....	8	24	32	5	23	28	3	1	4	—	—	—	—	—	—
3. With cerebral arteriosclerosis...	49	35	84	27	31	58	13	3	16	9	1	10	—	—	—
4. General paralysis.....	28	4	32	15	3	18	6	1	7	7	—	7	—	—	—
5. With cerebral syphilis.....	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
6. With Huntington's chorea.....	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous dis- eases.....	4	—	4	2	—	2	1	—	1	1	—	1	—	—	—
9. Alcoholic.....	24	2	26	—	—	—	—	—	—	24	2	26	—	—	—
10. Due to drugs and other exo- genous toxins.....	2	2	4	—	1	1	—	—	—	—	1	1	2	—	2
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	7	14	21	1	11	12	2	3	5	3	—	3	1	—	1
13. Manic-depressive.....	13	13	26	4	12	16	6	1	7	2	—	2	1	—	1
14. Involution melancholia.....	1	7	8	—	7	7	—	—	—	1	—	1	—	—	—
15. Dementia praecox.....	61	80	141	25	69	94	20	11	31	8	—	8	8	—	8
16. Paranoia and paranoid condi- tions.....	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	3	3	6	3	2	5	—	1	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	4	4	8	1	4	5	—	—	—	1	—	1	2	—	2
19. With psychopathic personality.....	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—
20. With mental deficiency.....	13	4	17	10	2	12	2	1	3	1	1	2	—	—	—
21. Undiagnosed psychoses.....	6	8	14	1	8	9	3	—	3	1	—	1	1	—	1
22. Without psychosis.....	1	3	4	—	3	3	1	—	1	—	—	—	—	—	—
Total.....	228	206	434	95	178	273	59	22	81	59	6	65	15	—	15

TABLE 13. — *Marital Condition of First Admissions Classified with Reference to Principal Psychoses for the Year ending September 30, 1927*

PSYCHOSES	TOTAL			SINGLE			MARRIED			WIDOWED			SEPARATED			DIVORCED			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	1	-	1	-	-	-	1	-	1	-	5	-	-	-	-	-	-	-	-	-	-
2. Senile.....	8	24	32	1	3	4	2	4	6	17	14	22	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis.....	49	35	84	7	10	17	24	11	35	17	31	1	-	-	-	-	-	-	-	-	-
4. General paralysis.....	28	4	32	7	-	1	19	4	23	1	-	1	-	1	1	-	-	-	-	-	-
5. With cerebral syphilis.....	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases.....	4	-	4	1	-	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic.....	24	2	26	13	1	13	9	2	11	2	-	2	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins.....	2	2	4	1	-	2	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases.....	7	14	21	5	6	8	2	6	12	1	1	1	-	-	-	1	1	-	-	-	-
13. Manic-depressive.....	13	13	26	2	1	1	10	6	16	1	1	2	-	-	-	-	-	-	-	-	-
14. Involution melancholia.....	1	7	8	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox.....	61	80	141	45	35	80	13	40	53	1	5	6	-	2	-	2	-	-	-	-	-
16. Paranoia and paranoid conditions.....	-	2	2	-	2	-	-	1	1	-	-	1	-	-	-	-	1	1	-	-	-
17. Epileptic psychoses.....	3	3	6	2	2	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses.....	4	4	8	4	1	5	1	2	2	1	1	1	-	-	-	-	-	-	-	-	-
19. With psychopathic personality.....	2	4	6	1	1	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency.....	13	4	17	12	3	15	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses.....	6	8	14	2	4	6	4	4	10	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis.....	1	3	4	1	1	2	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Total.....	228	206	434	105	65	170	92	98	190	27	41	68	-	-	-	4	2	6	-	-	-

TABLE 14.—*Psychoses of Readmissions for the Year ending September 30, 1927*

PSYCHOSES	M.	F.	T.
1. Traumatic psychoses.....	—	—	—
2. Senile psychoses.....	—	1	1
3. Psychoses with cerebral arteriosclerosis.....	2	4	6
4. General paralysis.....	2	—	2
5. Psychoses with cerebral syphilis.....	1	—	1
6. Psychoses with Huntington's chorea.....	—	—	—
7. Psychoses with brain tumor.....	—	—	—
8. Psychoses with other brain or nervous diseases.....	1	—	1
9. Alcoholic psychoses.....	9	—	9
10. Psychoses due to drugs and other exogenous toxins.....	—	—	—
11. Psychoses with pellagra.....	—	2	—
12. Psychoses with other somatic diseases.....	—	2	2
13. Manic-depressive psychoses.....	12	20	32
14. Involution melancholia.....	—	—	—
15. Dementia praecox.....	17	29	46
16. Paranoia and paranoid conditions.....	—	—	—
17. Epileptic psychoses.....	3	—	3
18. Psychoneuroses and neuroses.....	—	2	2
19. Psychoses with psychopathic personality.....	2	1	3
20. Psychoses with mental deficiency.....	7	3	10
21. Undiagnosed psychoses.....	—	3	3
22. Without psychosis.....	3	—	3
Total.....	59	65	124

TABLE 15.—*Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge for the Year ending September 30, 1927*

PSYCHOSES	TOTAL			RE- COVERED			IMPROVED			UNIM- PROVED			NOT INSANE		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	—	3	3	—	—	—	—	1	1	—	2	2	—	—	—
3. With cerebral arteriosclerosis.....	7	8	15	—	—	—	4	1	5	3	7	10	—	—	—
4. General paralysis.....	9	2	11	—	—	—	7	1	8	2	1	3	—	—	—
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	3	3	6	—	—	—	1	3	4	2	—	2	—	—	—
9. Alcoholic.....	23	2	25	7	—	7	14	2	16	2	—	2	—	—	—
10. Due to drugs and other exogenous toxins.....	3	—	3	1	—	1	2	—	2	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	1	6	7	1	—	1	—	6	6	—	—	—	—	—	—
13. Manic-depressive.....	45	40	85	1	—	1	39	35	74	5	5	10	—	—	—
14. Involution melancholia.....	1	8	9	1	—	1	—	5	5	—	3	3	—	—	—
15. Dementia praecox.....	51	39	90	—	—	—	30	27	57	21	12	33	—	—	—
16. Paranoia and paranoid conditions.....	1	4	5	—	—	—	—	3	3	1	1	2	—	—	—
17. Epileptic psychoses.....	5	1	6	—	—	—	2	1	3	3	—	3	—	—	—
18. Psychoneuroses and neuroses.....	2	3	5	—	—	—	2	2	4	—	1	1	—	—	—
19. With psychopathic personality.....	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
20. With mental deficiency.....	9	5	14	—	—	—	4	4	8	5	1	6	—	—	—
21. Undiagnosed psychoses.....	11	14	25	—	—	—	9	12	21	2	2	4	—	—	—
22. Without psychosis.....	3	2	5	—	—	—	1	—	1	1	—	1	1	2	3
Total.....	176	140	316	11	—	11	115	103	218	49	35	84	1	2	3

TABLE 16. — Causes of Death of Patients Classified with Reference to Principal Psychoses for the Year ending September 30, 1927

CAUSES OF DEATH	TOTAL			SENILE			WITH CEREBRAL ARTERIO-SCLEROSIS			GENERAL PARALYSIS			ALCOHOLIC			MANIC DEPRESSIVE			INVOLUTION MELANCHOLIA		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>																					
Tuberculosis of the respiratory system.....	10	15	25	-	-	-	-	1	1	-	-	-	-	1	1	2	-	-	-	-	-
Tuberculosis of other organ.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purulent infection, septicaemia.....	3	-	3	1	-	-	1	-	1	-	-	-	-	1	-	1	-	-	-	-	-
<i>General Diseases not Included in Class Above</i>																					
Cancer and other malignant tumors.....	-	4	4	-	1	1	-	1	1	-	-	-	-	-	-	1	1	1	-	-	-
Tumor (non-cancerous).....	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pellagra.....	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes.....	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other general diseases.....	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-
<i>Diseases of the Nervous System</i>																					
Other diseases of spinal cord.....	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral hemorrhage, apoplexy.....	4	2	6	2	1	2	2	2	2	-	-	-	-	1	-	1	-	-	-	-	-
General paralysis of the insane.....	18	8	26	-	1	1	-	-	-	18	8	16	-	-	-	-	-	-	-	-	-
Other forms of mental disease.....	2	18	18	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	2	2	2
Epilepsy.....	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chorea.....	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the nervous system.....	13	-	13	4	-	4	1	-	1	-	-	-	1	-	-	1	-	-	-	-	-
<i>Diseases of the Circulatory System</i>																					
Endocarditis and myocarditis.....	5	10	15	-	2	2	1	2	3	-	-	-	-	2	-	2	-	1	1	-	-
Other diseases of the heart.....	1	5	6	-	1	1	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-
Arteriosclerosis.....	32	46	78	3	9	12	22	28	50	-	-	-	1	4	3	7	-	1	1	-	-
Other diseases of the arteries.....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the circulatory system.....	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System</i>																					
Bronchopneumonia.....	4	2	6	-	-	-	3	-	3	-	-	-	1	1	1	1	1	1	-	-	-
Lobar pneumonia.....	4	2	6	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-
Other diseases of the respiratory system.....	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System</i>																					
Nephritis.....	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Diseases of bladder.....	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes</i>																					
Suicide.....	1	3	4	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental traumatism.....	2	1	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total.....	105	130	235	8	15	23	33	32	65	19	8	27	5	2	7	10	11	21	-	5	5

TABLE 16.—Causes of Death of Patients Classified with Reference to Principal Psychoses for the Year ending September 30, 1927—Concluded

CAUSES OF DEATH	DEMENTIA PRAECOX			EPILEPTIC PSYCHOSES			PSYCHO- NEUROSES AND NEUROSES			WITH PSYCHO- PATHIC PERSONALITY			WITH MENTAL DEFICIENCY			ALL OTHER PSYCHOSES*		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>																		
Tuberculosis of the respiratory system.....	5	10	15	1	1	2	—	1	1	—	—	—	3	—	3	—	—	—
Tuberculosis of other organs.....	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Purulent infection, septicemic.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>General Diseases not Included in Class Above</i>																		
Cancer and other malignant tumors.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Tumor (non-cancerous).....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	3	1	1
Pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1
Diabetes.....	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other general diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Nervous System</i>																		
Other diseases of spinal cord.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—
Cerebral hemorrhage, apoplexy.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—
General paralysis of the insane.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other forms of mental disease.....	—	5	5	—	1	2	—	—	—	—	—	—	—	1	1	—	7	7
Epilepsy.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1
Chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1
Other diseases of the nervous system.....	3	—	3	—	—	—	—	1	—	—	—	—	—	—	—	2	—	2
<i>Diseases of the Circulatory System</i>																		
Endocarditis and myocarditis.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	4	5	5
Other diseases of the heart.....	—	1	1	—	—	—	—	—	—	—	—	—	1	1	2	1	1	1
Arteriosclerosis.....	1	2	3	—	—	—	—	—	—	1	—	1	1	—	1	3	3	3
Other diseases of the arteries.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the circulatory system.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Respiratory System</i>																		
Bronchopneumonia.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia.....	2	—	2	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the respiratory system.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Non-Veneral Diseases of Genito-Urinary System</i>																		
Nephritis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
Diseases of bladder.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>External Causes</i>																		
Suicide.....	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Accidental traumatism.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
Total.....	13	25	38	2	3	5	1	1	2	1	—	1	5	3	8	8	25	33

TABLE 17. — *Age of Patients at Time of Death Classified with Reference to Principal Psychoses for the Year ending September 30, 1927*

PSYCHOSES	TOTAL			15—19 YEARS			20—24 YEARS			25—29 YEARS			30—34 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	8	15	23	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	33	32	65	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis.....	19	8	27	—	—	—	1	—	1	—	—	—	2	1	3
5. With cerebral syphilis.....	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	2	2	—	—	—	—	—	—	—	—	—	1	—	1
8. With other brain or nervous diseases.....	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	5	2	7	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	1	1	—	—	—	—	—	—	—	—	—	1	—	1
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	3	11	14	1	—	1	—	—	—	1	1	—	1	—	1
13. Manic-depressive.....	10	11	21	—	—	—	1	1	—	—	—	—	1	—	1
14. Involution melancholia.....	—	5	5	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox.....	13	25	38	—	—	—	2	1	3	—	4	4	2	3	5
16. Paranoia and paranoid conditions.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	2	3	5	1	—	1	1	1	—	1	1	—	—	—	—
18. Psychoneuroses and neuroses.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	5	3	8	—	—	—	1	—	1	1	—	1	—	1	1
21. Undiagnosed psychoses.....	1	9	10	—	—	—	—	—	—	—	—	—	1	—	1
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	105	130	235	2	—	2	4	3	7	1	6	7	4	10	14

TABLE 17. — *Age of Patients at Time of Death Classified with Reference to Principal Psychoses for the Year ending September 30, 1927 — Continued*

PSYCHOSES	35—39 YEARS			40—44 YEARS			45—49 YEARS			50—54 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	—	—	—	—	—	—	1	—	1	1	2	3
4. General paralysis.....	1	1	2	1	2	3	8	—	8	2	2	4
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—	1	—	1
6. With Huntington's chorea.....	—	—	—	—	1	1	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	1	—	1
8. With other brain or nervous diseases.....	1	—	1	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	2	—	2	1	—	1	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	2	2	—	1	1	1	3	4	1	1	2
13. Manic-depressive.....	1	—	1	1	—	1	2	2	4	—	—	—
14. Involution melancholia.....	—	—	—	—	1	1	—	—	—	2	2	2
15. Dementia praecox.....	—	4	4	4	6	10	1	2	3	—	2	2
16. Paranoia and paranoid conditions.....	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	—	—	—	—	—	—	—	—	—	1	—	1
18. Psychoneuroses and neuroses.....	1	1	2	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	1	1	2	—	1	1	1	—	1	—	—	—
21. Undiagnosed psychoses.....	—	—	—	—	2	2	—	2	2	—	3	3
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	7	9	16	7	14	21	14	9	23	6	13	19

TABLE 17. — *Age of Patients at Time of Death Classified with Reference to Principal Psychoses for the Year ending September 30, 1927 — Concluded*

PSYCHOSES	55—59 YEARS			60—64 YEARS			65—69 YEARS			70 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	M.	F.	R.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	—	—	—	1	—	1	—	2	2	7	13	20
3. With cerebral arteriosclerosis.....	—	2	2	4	2	6	7	5	12	20	21	41
4. General paralysis.....	1	—	1	1	1	2	1	1	2	1	—	—
5. With cerebral syphilis.....	—	—	—	—	—	—	—	1	1	—	—	—
6. With Huntington's chorea.....	1	—	1	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	—	—	—	—	1	1	—	—	—	—	—	—
9. Alcoholic.....	—	1	1	—	—	—	—	—	—	2	1	3
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	1	1	1	—	1	—	1	1	—	1	1
13. Manic-depressive.....	—	2	2	1	1	2	1	3	4	3	—	3
14. Involution melancholia.....	—	1	1	—	—	—	—	1	1	—	—	—
15. Dementia praecox.....	1	—	1	1	—	1	2	—	2	—	3	3
16. Paranoia and paranoid conditions.....	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	—	—	—	1	—	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	1	—	1	—	—	—
20. With mental deficiency.....	—	—	—	—	—	—	—	—	—	1	—	1
21. Undiagnosed psychoses.....	—	—	—	—	1	1	1	—	1	—	—	—
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	3	7	10	10	6	16	13	14	27	34	39	73

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital Classified according to Principal Psychoses for the Year ending September 30, 1927*

PSYCHOSES	TOTAL			LESS THAN 1 MONTH			1—3 MONTHS			4—7 MONTHS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	8	15	23	2	—	2	1	3	4	1	4	5
3. With cerebral arteriosclerosis.....	33	32	65	14	7	21	9	4	13	4	2	6
4. General paralysis.....	19	8	27	1	1	2	4	1	5	4	—	4
5. With cerebral syphilis.....	—	1	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	2	—	2	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	2	2	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	2	1	3	1	—	1	1	—	1	—	1	1
9. Alcoholic.....	5	2	7	2	1	3	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins.....	—	1	1	—	1	1	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	3	11	14	2	10	12	1	—	1	—	1	1
13. Manic-depressive.....	10	11	21	1	4	5	—	1	1	—	—	—
14. Involution melancholia.....	—	5	5	—	2	2	—	—	—	—	—	—
15. Dementia praecox.....	13	25	38	—	6	6	1	3	4	1	2	3
16. Paranoia and paranoid conditions.....	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	2	3	5	1	—	1	—	—	—	—	2	2
18. Psychoneuroses and neuroses.....	1	1	2	—	—	—	—	—	—	—	1	1
19. With psychopathic personality.....	1	—	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	5	3	8	1	—	1	—	1	1	—	—	—
21. Undiagnosed psychoses.....	1	9	10	—	3	3	—	2	2	1	—	1
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	105	130	235	25	35	60	18	15	33	11	13	24

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital Classified according to Principal Psychoses for the Year ending September 30, 1927 — Continued*

PSYCHOSES	8—12 MONTHS			1—2 YEARS			3—4 YEARS			5—6 YEARS			7—8 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	—	1	1	1	3	4	1	2	3	1	1	2	1	—	1
3. With cerebral arteriosclerosis.....	1	2	3	1	7	8	3	4	7	—	5	5	—	—	—
4. General paralysis.....	2	1	3	5	2	7	1	—	1	1	1	2	1	—	1
5. With cerebral syphilis.....	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	2	—	2	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
8. With other brain or nervous diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive.....	1	—	1	4	2	6	—	2	2	1	—	1	—	1	1
14. Involution melancholia.....	—	—	—	—	2	2	—	1	1	—	—	—	—	—	—
15. Dementia praecox.....	3	—	3	1	2	3	3	3	6	—	1	1	1	2	3
16. Paranoia and paranoid conditions.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	—	—	—	1	2	3	1	—	1	1	—	1	—	—	—
21. Undiagnosed psychoses.....	—	—	—	—	3	3	—	1	1	—	—	—	—	—	—
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	7	4	11	18	25	43	10	14	24	4	8	12	3	4	7

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital Classified according to Principal Psychoses for the Year ending September 30, 1927 — Concluded*

PSYCHOSES	9—10 YEARS			11—12 YEARS			13—14 YEARS			15—19 YEARS			20 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile.....	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	—	1	1	—	—	—	—	—	—	1	—	1	—	—	—
4. General paralysis.....	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
5. With cerebral syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic.....	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive.....	1	—	1	1	—	1	—	—	—	1	1	2	—	—	—
14. Involution melancholia.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox.....	2	—	2	—	1	1	—	1	1	—	1	1	1	3	4
16. Paranoia and paranoid conditions.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency.....	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.....	5	3	8	1	2	3	—	1	1	2	2	4	1	4	5

TABLE 19. — *Family Care*

	M.	F.	T.
Remaining in Family Care, Sept. 30, 1926.....	—	18	18
Admitted.....	1	4	5
Whole number within year.....	1	22	23
Dismissed.....	—	—	—
Returned to institution.....	—	1	1
Discharged.....	—	—	—
Died.....	—	—	—
On visit.....	—	—	—
On escape.....	—	—	—
Remaining Sept. 30, 1927.....	1	21	22
State.....	—	15	15
Private.....	1	6	7
Self-supporting.....	—	—	—
Daily average number.....	0.48	18.09	18.57
State.....	—	14.5	14.5
Private.....	0.48	3.59	4.07
Self-supporting.....	—	—	—

The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

Mass. DANVERS STATE HOSPITAL (*Mass.*)

FOR THE

YEAR ENDING NOVEMBER 30, 1928

DEPARTMENT OF MENTAL DISEASES



MAR 18 1930

DANVERS STATE HOSPITAL.

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TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council:

Pursuant to statutory provision the Trustees of the Danvers State Hospital submit their fifty-first annual report, together with the reports of the Superintendent and Treasurer and the statistics required by law.

Regular meetings were held throughout the year with the exception of June, 1928.

This report covers the activities of the Danvers State Hospital for the fiscal year ending November 30, 1928.

It is of interest to note that this period marks the fiftieth year of service to the Commonwealth of this hospital. During this period there have been admitted 38,309 patients. The building was originally constructed to care for 500 patients. The present quota now calls for a population of two thousand. Grove

Hall and Middleton Colony have been built during this time and accommodate 375 patients. The hospital has always been to the forefront in the progressive changes calculated to benefit the mentally sick. The congregate dining room is said to be the first one of its kind in the country, and it was in this hospital that non-restraint was first established. Many of the officers trained here have left and carried with them the knowledge which has meant more humane care of the insane elsewhere. Thus in past years the institution has been rich in service not only to its own district but to the support of the general uplift in the care of the mentally diseased.

This last year has seen the completion of an addition to the Male Attendants' Home which has permitted removal from the attics of the main building, approximately fifty employees who had lived under rather unsatisfactory conditions. The new section is well constructed, bright and cheerful and it has made a valuable addition to the hospital property.

Also we note the beginning of a new Nurses' Home which will take nurses who are now living on the wards to more congenial surroundings and relieve to some extent the present congestion on the wards.

The new Industrial Building was completed in November. This is an excellent building and will care for classes in arts and crafts, industrial therapy, and wood working. The lower floor will contain a large stock room for mechanical supplies and a space for the blacksmith. A new fireproof paint shop adjoins.

We earnestly request, as has been done in previous years, that appropriation be granted sufficient to provide new facilities for kitchen, bakery, and dining room. There is also a great need of a new hospital section where medical care can be more efficiently administered to the sick patient and employee.

Cottages for the Medical Staff would be a valuable adjunct to a more stabilized medical service.

Dr. Clarence A. Bonner was appointed Superintendent, December 26, 1927.

S. HERBERT WILKINS, *Chairman.*

Dr. ARTHUR C. NASON.

HON. JAMES F. INGRAHAM.

W. W. LAWS.

Mrs. ANNA P. MARSH.

Mrs. ANNIE T. FLAGG.

SUPERINTENDENT'S REPORT.

To the Board of Trustees of the Danvers State Hospital:

The fifty-first annual report of the Superintendent for the fiscal year ending November 30, 1928, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1928.

MOVEMENT OF POPULATION.

The hospital year opened on October 1, 1927, with 1,802 patients in the hospital, 228 on visit, 12 on escape, and 22 in family care, making a total of 2,064.

The year ended on September 30, 1928, with 1,925 patients in the hospital, 215 on visit, 12 on escape, and 18 in family care, making a total of 2,170.

Number of admissions during the year: 394 male; 320 female; total, 714; an increase of 24 over the preceding year.

Four men and one woman were admitted as voluntary patients; 29 patients were transferred from other institutions; 248 men and 163 women were admitted on temporary care papers.

FIRST ADMISSIONS.

Patients admitted to this or any hospital for the first time numbered 549, an increase of 39 over the preceding year.

DAILY POPULATION.

The total average population for the year was 1,874.9, an increase of 109.9 over the preceding year. There were 2,778 patients treated during the year as compared with 2,761 in 1927.

Two hundred and twenty patients died in the institution during the year, which is 15 less than the preceding year. This death rate is on an average of 8 per cent figured on a basis of the total number of cases under treatment.

DISMISSALS.

There were 388 patients discharged from the institution during the year: 219 men and 169 women. Classified as to condition on discharge: 28 as recovered; 208 as improved; 26 as unimproved; and 48 as not insane. The figures for the preceding years are as follows: 42 as recovered; 224 as improved; 99 as unimproved; and 30 as not insane.

On September 30, 1928, there were 215 patients on trial visit in care of friends or under hospital supervision as compared with 225 in 1927.

Since the organization of the hospital 28,048 patients have been admitted and 25,743 discharged.

EX-SERVICE MEN UNDER CARE.

October 1, 1927, to September 30, 1928.

Number of admissions, 54; return visits, 5; return escapes, 10; discharged, 7; discharged by death, 4; on visit, 21; on escape, 14; transferred, 8. Total number in the hospital October 1, 1927, 55. Total number admitted during the year, 69. Total number discharged during the year, 54. Total number in the hospital September 30, 1928, 70. Total number treated during the year, 124.

MEDICAL ADMINISTRATION.

The following changes in personnel of the Staff occurred during the year:

Appointments.

Dr. Edgar C. Yerbury, assistant superintendent, appointed July, 1, 1928.
 Dr. Dupre M. Hall, promoted to senior physician, February 3, 1928.
 Dr. Edwin D. Lee, assistant physician, appointed March 1, 1928.
 Dr. Henry L. Clow, assistant physician, appointed March 15, 1928.
 Dr. John R. Bloomberg, assistant physician, appointed May 2, 1928.
 Dr. William J. Johnson, assistant physician, appointed July 1, 1928.
 Dr. Doris M. Sidwell, assistant physician, appointed July 6, 1928.
 Dr. Rose R. Donk, assistant physician, appointed November 16, 1928.

Resignations.

Dr. Charles L. Clay, senior physician, resigned January 14, 1928.
 Dr. W. Franklin Wood, assistant superintendent, resigned January 21, 1928.
 Dr. Heber F. Teney, assistant physician, resigned March 15, 1928.
 Dr. George Lemaitre, assistant physician, resigned March 17, 1928.
 Dr. Lillian G. Moulton, senior physician, resigned April 26, 1928.
 Dr. Lillian DeArmit, assistant physician, resigned May 9, 1928.
 Dr. Doris M. Sidwell, assistant physician, resigned September 27, 1928.
 Dr. Marius Peladeau, assistant physician, resigned November 30, 1928.

CLINICAL ASSISTANTS.

During the summer months the following undergraduate students served in the capacity of clinical assistants. They assisted in routine duties under the direction of the physicians on service. They were helpful to the hospital and the special training in psychiatry is of value to them.

Brock R. Brown, June 1 to August 26, 1928.
 Douglas W. Sparling, June 1 to August 26, 1928.
 Edward Resnik, June 2 to September 13, 1928.
 Miss A. Frances Davis, June 14 to September 9, 1928.
 Samuel Morrison, June 15 to September 23, 1928.
 Miss M. Gene Black, June 16 to August 29, 1928.

MEDICAL WORK.

The value of a mental hospital to any given community depends upon two fundamental factors. First, the quality of the medical service rendered and the physical comfort provided for its patients. Secondly, preventive procedures, such as the development of mental hygiene clinics in the community, and the propagation of information which will help to prevent mental disease and to preserve mental health.

A high-grade medical service consequently is all-important. The type of

service which we seek must be progressive, using the newest methods in treatment and contributing in research to the literature of psychiatry, the development of out-patient clinics, and increased social service facilities. In a large institution it is constantly necessary to keep the individual patient in mind. The larger the medical staff and the better trained it is, then so much more likely is the individual patient to receive the attention which may mean a shortened hospital career with a more prompt return to the community.

At this point I should like to comment on the obligations we have to the relatives of our patients, and I refer to the contacts between visitors and the physicians. The young physician has the greatest difficulty in caring for relatives. Usually his understanding of mental cases is limited and consequently his ability to place information before the relatives is also limited. The longer a physician is in the service up to a certain point, the more satisfactorily he is able to care for visitors. We cannot always determine diagnosis in a short period and consequently the prognosis is uncertain. There are two characteristics, however, that can be developed in any physician, these are patience and tolerance, and the more experienced psychiatrist must have an abundant endowment of these qualifications in order to be successful in this important part of the work. Following the virtue of patience in importance is the matter of absolute courtesy even under the most trying conditions. An honest description of the patient from the medical standpoint completes the picture of the physician-relative contacts.

ON TREATMENT WITHIN THE HOSPITAL.

The physicians visit the patients on the wards at least twice daily. Careful physical, psychological, mental and laboratory examinations are made on each newly admitted patient, and every effort is made to correct any physical defect found as well as to treat the patient for his mental ailment. As soon as a patient becomes adjusted in the institution the next step is to find suitable occupation. It is much better for the patients to be employed than to sit about in idleness. In order to interest the patient, an endeavor is made to ascertain the nature of his regular occupation and to assign work in keeping with this.

INTRA-HOSPITAL ACTIVITY.

Hydrotherapy. — The use of hydrotherapy in the form of continuous flowing baths, tonic baths and packs has given ample evidence as to its value in both the overactive as well as the underactive patient. We do not have an adequate number of these special baths at this time and it is hoped that soon we will be able to install more tubs. Hydrotherapy means less seclusion. The modern hospital endeavors to do away with seclusion so far as possible.

Occupational Therapy. — This department has been operated throughout the year under the direction of Miss Edith F. Beane. While we have been considerably handicapped with small quarters which limited the number of patients that could receive this service, it is hoped that with the opening of a new Industrial Building in which there is every facility this work will be greatly extended. There are many patients who are unfitted to undertake occupation about the institution until they have had careful preparation. An overwhelming mental sickness often leaves a patient in such condition that he is in need of re-training. Occupational Therapy in its finest sense means treatment and re-training. The skilled occupational worker under the direction of the physician, gradually interests the individual patient so that he progressively can proceed from the simpler undertakings to the more complex duties which during his convalescence may contribute to the welfare of the institution. The economic aspect of occupational therapy should be mentioned; it offers an opportunity to use waste products which under other circumstances might be discarded as of no value.

Venereal Clinic. — Intravenous injections of tryparsamide in cases of neurosyphilis have been intensively carried on throughout the year. In several specially selected cases malarial therapy has been successfully used. This clinic has been under the charge of Dr. Edwin D. Lee and all cases showing a positive Wassermann have received treatment. On some Mondays this clinic has cared for as high as seventy-five patients.

Dental Service.—Full time dental service has been rendered by Charles H. Endee, D.D.S., who continues to carry on the work, examining all patients on admission and treating dental conditions which require attention. In addition to this work patients already in the hospital were treated when attention was required. A dental hygienist is also in constant attendance. The work accomplished for the year is tabulated below:

Extractions	807
Lower 3rd molar impactions, surgically removed	2
Fillings	586
Odontexesis (cleaning and scaling)	580
New admissions (examination and charting)	713
Treatments for:	
Vincent's infection	70
Swollen jaw	46
Canker, post-operative	119
Prosthetics:	
Upper and lower sets of false teeth, ten each	20
Lower sets of false teeth	2
Partial lower dentures	2
Bridges	2
Repaired plates	11
X-ray cases:	
Taken and diagnosed	271
Lectures to Student Nurses	8 hrs.
Bacteriology	17 hrs.
Number of visits	1,175

Laboratory Service.—This service has been active throughout the year despite the fact that there was a short period of time when we had neither pathologist nor technician. In May, Miss Margaret M. Conlon came as technician and has carried on the work very satisfactorily since that time. We are indebted to Dr. Myrtelle Canavan and Dr. Marjorie Fulstow for their co-operation in assisting us with our post-mortem examinations.

A report of the year's work is herewith submitted: autopsies, 12; basal metabolisms, 5; blood counts, 712; smears, bacterial, 49; spinal fluids (mastic), 55; sputum examinations, 35; urinalysis, 1,576; total, 2,443.

STEWARD'S DEPARTMENT.

The administrative and financial divisions have performed their tasks in the usual efficient manner. The business affairs of the institution have been conducted very efficiently as in the past. Below are the reports of the Foreman Mechanic, Chief Engineer, and Farmer.

Foreman Mechanic's Report.

Apart from the regular repair work the following items are of interest and importance: The manufacture of 103 new chairs in the carpenter shop; general reconstruction work throughout the entire plant; the henery was revamped and rebuilt, increasing its size about one-half.

The Middleton Colony Buildings: Six dormitories were refinished in sheet rock and painted, and new floors built in the connecting corridors. Two outside piazzas were rebuilt. The dining room was refinished in sheet rock and painted.

The Nurses' Home has been completely refinished on the inside, rooms have been sheathed and the whole has been newly painted.

Chief Engineer's Report.

Apart from the general upkeep and repair work the following important reconstruction work was done:

1. Installed heating, plumbing and lighting equipment in the new Industrial Building.

2. Installed four new bathrooms in Front Center and renewed all of the old plumbing throughout.

3. Installed wiring for red lights over doors to rooms where fire hose and extinguishers are kept, in all the wards.

4. Prepared a new 2½-inch connection to the 4-inch water line in the barn basement and installed 200 ft. of 2½-inch fire hose to protect outlying sheds.

5. Installed a new 1¼-inch return line from the Male Attendants' Home vacuum pump to the main return line under J Building. By means of this line all of the hot condensation from the heating system at the home is returned to the boilers instead of being thrown into the sewer as was formerly done.

6. Designed new style of dump plate with renewable top section for use in our type E stokers. This new plate is proving to be all that was expected of it, and will save us about \$400 per year over what we formerly used.

7. Designed and made a set of drawings showing the necessary changes to our present piping and pump layout in the old power house so that the building may be used for a new kitchen and bakery. A large part of the credit for the execution of these plans is due to the assistance of one of our patients, a mechanical engineer. Without his valuable assistance they would not have been carried through as successfully as they have been.

Head Farmer's Report.

Notwithstanding somewhat unfavorable climatic conditions, farming activities for the year, with the exception of potatoes, were quite favorable. Owing to so much wet weather the potatoes rotted badly, so much so that an expected crop of six thousand bushels was reduced to a little over three thousand.

There were raised and placed on tables for consumption: 458,870 qts. of milk, a daily average of 1,257 qts.; 14,347 lbs. of beef; 61,000 lbs. dressed pork; 7,824 doz. eggs; 2,360 lbs. fowl; 3,956 broilers; 3,000 bu. potatoes; and the usual amount of vegetables.

Construction work was done in widening the causeway over the brook at Middleton Colony. In this work the cellar stones of the old Gregory seed house were used. The adjoining field was cleared and these stones used for the same purpose. The new roadway greatly improves the appearance of this particular part of the farm.

About 200 feet of 24-inch cement pipe, made on the place, was laid in the brook between Dayton Street and Colony Road and covered to a depth of about three feet with overburden from the gravel pit. The field can now be plowed over the brook. Herewith is a list of other farm products: 325 tons of green feed; 339 tons hay; 36 tons meadow hay; 367 tons ensilage.

NEW INDUSTRIAL BUILDING.

This is a building 140 feet by 60 feet, two stories, all the construction work being done by the patients and institution employees under the supervision of the foreman mechanic. It is made from cement blocks, which were made by the patients, and second-hand brick that was salvaged from the outer walls and chimney of the old power plant. The plumbing and heating and electrical work was done by the institution employees under the supervision of the chief engineer. The first floor of the building is to be used by the blacksmith, a stock room for all mechanical supplies, masons' store room, and a mattress room. The second floor houses the industrial and occupational therapy department.

It is with regret that I report a fire in the garage of the Danvers State Hospital, occurring on the evening of November 1, 1928, at 7:45 P.M. The damage was confined to the upper floor of the garage and damage done was estimated at about \$1,000. The hospital fire organization functioned efficiently and was relieved in short order by the Danvers department which did most excellent work in confining fire to the limits mentioned above. Within very short time the damage had been repaired and the quarters restored.

ENTERTAINMENTS.

We have been able to hold dances for the patients each week, also moving pictures, and have been able to procure a very satisfactory type of picture which apparently is very pleasing to the patients. On holidays and at various other times we have provided a special entertainment. In the summer we have

had ball games and other outdoor affairs. At one of these entertainments on the Fourth of July, a large number of our patients participated, spending the greater part of the day out-of-doors. An excellent picnic lunch was provided for all. Various organizations have also provided entertainments for our soldier patients as well as the other inmates of the hospital.

RELIGIOUS SERVICES.

Religious services have been conducted regularly each week by the Protestant, Hebrew and Catholic clergymen. We are particularly grateful to these clergymen for their services in cases of serious illness, their cooperation in answering our calls, and their attendance and visitation to our patients. I wish to express my appreciation to all the clergy who have been so considerate and whom I know at times have attended to our needs at a great sacrifice.

ON EXTRA-MURAL ACTIVITIES.

Psychiatric Clinics.—Clinics for patients who have left the hospital on visit have been carried on regularly each week at Gloucester, Haverhill, Lawrence, Lynn, Malden, Newburyport and Salem. These have been conducted by the Superintendent or his Assistant and a social worker and it is gratifying to state that the attendance at these clinics has steadily increased. Occasionally an outside physician will avail himself of this valuable service.

Traveling School Clinic.—This work has been carried on by Dr. Edgar C. Yerbury, with the assistance of a social worker and psychologist. Many requests have been received and the clinic has been able to complete the schools and send in the reports and recommendations. School superintendents have actively cooperated in carrying out our recommendations. This work is of great importance and should result in tremendous good to the individual child needing special attention. While more towns have sought advice concerning their retarded children it is hoped that eventually every town will avail itself of the service which is rendered without cost to the community.

The Lynn Child Guidance Clinic.—In April, 1928, the Lynn Child Guidance Clinic was re-established. We have received splendid cooperation from the various agencies in Lynn and the clinic has been exceedingly busy on each Tuesday of the week. There is probably no more important mental hygiene movement than this work with children. The analysis of the problem child reveals oftentimes disturbed social conditions in the home which react unfavorably producing the behavior difficulties in the child. A full report of the activities of this clinic appears in the report from the Social Service Department. The clinic is offering a real service to Lynn and the vicinity and it is our feeling that it is appreciated.

The hospital has provided numerous lectures and clinics throughout the year. It has endeavored to be a real help in its specialized work and has cooperated with the general hospitals in the vicinity so far as this could be done.

OUR NEEDS.

There is a decided need for a community center at the hospital which will give the employees a common meeting place and an opportunity for recreation. We have room in the basement of the new addition to the Male Attendants' Home. Money has been requested to fit up this section so that the social needs of our employees can be properly met.

ACKNOWLEDGMENTS.

I wish to express my appreciation to the various organizations, societies and individuals who have been generous in their donations to the institution. I particularly am grateful to the American Legion Auxiliary for their regular Sunday afternoon entertainments which have been so much enjoyed by our disabled veterans.

I wish to thank the Board of Trustees and Department of Mental Diseases for assistance and advice.

Respectfully submitted,

C. A. BONNER, M.D., *Superintendent.*

REPORT OF THE TRAINING SCHOOL FOR NURSES.

To the Superintendent:

I herewith present the annual report of the Nursing Department for the year ending November 30, 1928. Included in this report is that of the Training School for Nurses.

The graduating exercises were held in the Chapel at the hospital, Thursday evening, June 28, 1928. The graduating class of 1928: Mary Josephine Goodwin, Bertha Mae Grady, Loretta Amanda Madden, Margaret Annie Mosher.

The greater part of the teaching falls to the Principal of the School of Nursing and the Assistant Principal. Physicians of the Staff give the special lectures.

At the time this report is made we have three head nurses in the service who are graduates of general hospitals. There are six intermediate pupils affiliating with the Boston City Hospital.

On December 1, 1928, there were in the school: 6 seniors; 6 intermediates; 19 juniors.

During the year 30 applications were received from young women desiring to enter the training school. Twenty-five were eligible and were accepted. Six of these decided that they either did not like the work or it was too difficult. Three remained as attendants.

The senior and junior classes each have 10 hours of class work weekly, making a total of 20 hours.

The attendants were divided into two classes, each having two-hour periods of lecture work and studying during the week. Of the 32 attendants in class during the year, 20 completed the course. Nine are still working at the hospital; two of these have entered the training school.

The hospital has provided a balopticon which aids in teaching and helps to illustrate lecture material by the showing of pictures.

I wish to express my thanks to the medical staff for their help and cooperation during the past year.

Respectfully submitted,

OLIVE F. ESTEY, R.N., *Principal of the School of Nursing.*

REPORT OF THE SOCIAL SERVICE DEPARTMENT.

To the Superintendent:

In April, 1928, under the personal direction of Dr. Bonner, the Child Guidance clinic was started in Lynn. The Lynn Hospital under Miss Vera Allan, Superintendent, has offered us their hospital facilities for the use of the clinic. Miss Mary O'Neill, School Psychologist, has contributed largely to the work of the clinic. All the agencies in Lynn have cooperated splendidly in this work. Sixty-five children have been referred to the clinic and the following problems were found in their cases (several of the problems sometimes occurring in the same case):

Failure in School: Not keeping up with the class work; inattention; distractibility; inability to concentrate; mal-adjustment to the school routine and discipline; enticing other children to mischief; truancy; tardiness; inability to read.

Speech Disorders: Stuttering; stammering; substitution of letters; delayed speech.

Undesirable Habits: Enuresis, nocturnal and diurnal; nail biting; finicky appetite; perverted appetite (eating crayons and pencils); mannerisms.

Personality Defects: Tantrums; destructiveness; cruelty to younger children; slyness; forwardness; stubbornness; I-don't-care attitude; impudence.

Disturbances of Sleep: Nightmares; restlessness; gritting of teeth; will not sleep alone.

Withdrawal from Reality: Day-dreaming; shyness; will not play with other children nor recite in class room.

Sex Manifestations: Masturbation; exhibitionism.

Asocial Tendencies: Lying; stealing; resentfulness of authority.

Conduct changes following infantile paralysis.

Conduct changes following head injury.

In addition to the problems the children themselves showed we found the following social problems, in the families of these children:

Inheritance: One parent psychotic or of unstable personality.

Discipline: Parents at variance concerning the discipline and method of bringing up the child.

Variability of discipline: Too lenient or too severe.

Interference from outsiders in management and discipline of the child.

Over-solicitude on the part of the parents. This may have been due to prolonged illness of the child.

Friction: The parents divorced or estranged.

Friction between relatives: For instance, between the child's mother and paternal relatives.

One parent away from home much of the time.

Environment: Home crowded. Child moved from one foster-home to another. One child had been in four foster-homes in a year and a half.

Economic stress: Inadequate income.

A boy of 14 of borderline-intelligence was referred to the clinic, the complaint being speech defect and a troublemaker in school. This boy's mother died in a State Hospital. His father had recently re-married. Step-mother was fond of the child. The father was too lenient with him because of severe and prolonged illness as a little child. He was in a special class in school but was not doing any work as most of the other children in that room were of lower grade mentally than he, and thus offered no stimulus to him. As the result of the clinic recommendation, he has been transferred to another school. There he has a man teacher and shop work. He likes it better and takes more interest in the work. He is suggestible and easily led and the one to do the mischief planned by the other boys in the gang. His father has let him stay out evenings until nine or ten o'clock, not knowing where he was nor with whom. He has joined the Boy Scouts and his step-mother is encouraging him in this, knowing that the Scouts are of more manly type than some of his other companions. He showed initiative by starting a newspaper route but the financial arrangements were too complicated for him and his brother had to take over the route and make good the deficit. Every week he comes to the clinic for his speech lesson and we hope by guiding him in proper channels now to develop those habits which will enable him to become a useful and independent citizen.

There was referred to the clinic a little girl of 12, who had misappropriated church funds which she had not been authorized to collect. There is much conflict in the home because of economic stress and the feeling between the child's father and mother who are not living together. The father did not support the family when he was living with them. The mother is a tiny little thing who has to work. Work is irregular and income at best is marginal. At times the family have had to get aid from the city. They are very strict with this little girl who is stubborn, defiant, and at times saucy. She has had a finicky appetite and disturbed sleep. She has a strawberry birthmark extending over the whole of one side of her face. With three regular meals a day and nothing to eat between meals, her appetite has improved. Letting her stay up until eight o'clock and shutting off the radio has cleared up her restless sleep. Her reputation was the common talk of the school and she was watched closely to see if she would slip again. She has been transferred to another school where she is happier and is doing better school work. Some of this little girl's difficulties undoubtedly are due to the physical changes of adolescence. At clinic she is alert, friendly and responsive. She enjoys the Occupational Therapy. During the summer she had two weeks at camp and she is now taking music lessons to which she has responded very well. She has her ups and downs but on the whole is making progress. Her family at times are still impatient with her and are inclined to drive her but they are assuming a more understanding attitude.

In September the hospital affiliated with the Smith College School for Social Work who sent us two graduate students, Miss Agnes McCreery and Miss Evelyn Rodee for nine months' practical training in social work. The Department is now able to increase the scope of its work. We are able to consult a greater number of patients' friends and relatives than a physician taking the history in the hospital and therefore can get a more complete picture of the facts which may be of interest in the patient's early history. A social service investigation of the circumstances attending a patient's mental breakdown and commitment, gives the hospital physician a better understanding of the patient's home environment and the etiological factors therein.

Verification of debatable points in the patient's history, statements made either by the patient or others concerning him, is an important contribution to knowing whether the patient's ideas are based on facts or not. When the patients themselves, their relatives and the community generally know that the hospital makes a careful investigation of all circumstances attending the patients' commitment, they have a much better feeling concerning the hospital and the patients' being sent here. Investigation of the home conditions and creating a favorable environment, where such does not already exist, for those patients whose mental condition warrants their returning to the community is becoming and should be a large feature in our work. Some patients go home when we know they may have recurrent attacks. Keeping in close touch with these patients so that we may know when another attack is imminent and getting them back to the hospital before their condition becomes too severe, means that their stay in the hospital will not be so long as it otherwise might have been.

Miss Mildred Cheney of our Staff was married and resigned in June.

Miss Pearl E. Hartshorn, graduate of Smith College School for Social Work, with a degree of Master of Social Science, was appointed to succeed her.

Miss Edith M. Mason, a graduate of Boston University, has also joined our Staff.

We are called on by outside agencies, by other State Hospitals to investigate or supervise cases for them when their patients' relatives live in our hospital district, and by out-of-State social agencies. As we were the only social agency in Danvers, we were asked by the Travelers Aid Society of New York to do what we could for a young Swedish girl who had just entered the country and was going to friends in Danvers. We found that the girl's sister was employed as a domestic in Boston and that the younger girl herself had gone to work in the same family. Both girls wanted to know of evening school classes where they could learn English. We also introduced them to the International Institute of the Y. W. C. A. where they found suitable clubs and recreation.

The Family Welfare Society of Portsmouth, New Hampshire, asked us to interview Danvers relatives of one of their clients, who had deserted his wife and family.

I wish here to pay tribute to the cooperation the medical staff has given us and to the inspiration and guidance Dr. Bonner has given to our Department.

Respectfully submitted,

MARY H. HOLLAND, *Head Social Worker.*

SOCIAL SERVICE STATISTICS.

December 1, 1927, to November 30, 1928.

	Males.	Females.	Total.
I. Numerical Summary of Cases:			
New cases	216	178	394
Renewed cases from previous years	23	18	41
Renewed cases within the year	9	8	17
Continued cases from previous year	40	69	109
Cases closed during year	40	26	66
Cases continued to following year	—	—	65

II. Sources of New Cases:

- Number cases referred by physicians, 273.
- Number cases referred by community agencies, 33.
- Number cases referred by friends or relatives, 2.
- Number cases referred by initiative of patients, 2.
- Number cases selected by social service, 5.

III. Analysis of Work:

1. Purposes for which cases were referred:

- (a) Histories of patients { Taken at hospital, 192.
- } Taken outside hospital, 122.

- (b) Investigation { Conduct disorders, 14.
- Employment situations, 3.
- Home conditions, 43.
- Statements of patients, 16.
- Statements of others, 20.

- (c) Supervision { In home, 56.
- In industry, 2.
- In community, 23.

- (d) Miscellaneous care of patients' families, 3.

Personal services, 4.

Placement, 11.

Location of relatives, 13.

IV. Service Rendered:

1. Medical:

- Contribution of information *re:* Medical history, 313.
- Contribution of information *re:* Home conditions, 43.
- Contribution of information *re:* Condition of out-patients, 78.
- Arrangements for medical assistance, 3.

2. Social:

- Adjustments for patients { Environment, 12.
- } Personal relations, 6.

Adjustments for patients in industry, 0.

Adjustments for patients in recreation, 3.

- Advice { To relatives, 17.
- To patients, 10.
- To others, 0.

- Connecting { With agencies, 7.
- } With individuals, 0.

- Family assistance { Legal, 2.
- Financial, 0.
- Miscellaneous, 1.

Arrangements for further study or training, 0

Personal services, 2.

- Placement work { Home, 7.
- } Industry, 2.

V. Supervision Work:

1. Number of patients on visit last day previous month, 0.

Number of patients discharged from visit during month, 0.

- Visits { To patients on ward, 53.
- To patients on visit, 53.
- To relatives or friends, 60.
- To social agencies, 32.
- To others, 41.

Number of patients in care of other agencies, 2.

2. Family Care Patients:

Number of patients visited, 75 visits.

Number of patients placed, 3.

Number of patients replaced, 5.

Number of patients returned, 5.

Number of patients discharged, 1.

Number of boarding homes investigated, 4.

VI. Clinic Work:

- | | | |
|---------------------------|---|---|
| 1. Hospital clinics | { | Number clinics attended, 39.
Number interviews with patients, 87.
Number interviews with relatives, 79.
Number social cases selected, 15. |
| 2. School clinics | { | Number attended, 2.
Number of histories, 19.
Number of psychological tests, 0.
Miscellaneous work, 0. |
| 3. Child guidance clinics | { | Number attended, 29.
Number of histories, 45.
Number of interviews with patients, others, 45.
Number of cases selected, 0.
Number of cases referred to local agencies, 0. |

VII. Miscellaneous:

- | | | |
|-----------------|---|--|
| Account of time | { | Number of days in hospital, 221½.
Number of days outside hospital, 323½.
Number of days spent in school clinic work, 7.
Number of days spent in community clinic work, 44.
Number of evenings, 39. |
|-----------------|---|--|

PSYCHOLOGICAL REPORT.

To the Superintendent:

I have the honor to offer a report of the Psychological Department of this institution for the period ending November 30, 1928:

The endeavor to establish this department dates from June 1, 1928. In July a small room was set apart for psychological examinations, and we have had a student-assistant on duty most of the time. The work of this half-year has been largely of a preliminary nature.

The purpose of the department is the study of hospital patients by psychological methods, and our work does not include the psychometric testing in the out-patient services. The psychological work for resident patients falls naturally into two classes, as follows:

1. An informal examination of all newly admitted patients under fifty years of age, with special attention to court cases and temporary care cases, in order to gain some knowledge concerning a patient's mental capacity, past and present. Our report does not invariably include an exact mental rating, but it is our aim in each case to offer some information that may serve as an aid in diagnosis.

2. Intensive study of selected cases, with a view to therapeutic effort. Occasionally we find a patient who responds well to non-technical instruction concerning the nature of hallucinations, and whose insight can be developed by educational measures. Certain patients are observed intensively as a means of ascertaining if they are ready to leave the hospital. Special attention is given to studying the vocational possibilities of adolescent patients, especially if they are convalescent. Still other patients are worked with primarily as a means of making better institutional subjects of them. My own experiments on habit training in advanced dementia præcox (1911) have shown that there is a field for psychological effort among chronic cases, as well as on the acute service. It is especially desirable that patients who do not respond to the occupation teachers be referred to us, in order to see if we can spot the cause of the resistance.

In our mental measurement studies we are greatly handicapped by lack of suitable materials. Most of the standard mental tests in common use have been developed either for the study of children or else for use with advanced students. It is obvious that college tests are far too difficult for the majority of our patients. The army tests were standardized with rigid time limits, and they are therefore unfair to persons who are naturally slow or pathologically retarded. For lack of better material, we find it necessary to depend chiefly upon tests which were intended for juvenile subjects and which are not appropriately applicable to adults.

In order to have better tools for our work in this hospital, and incidentally to furnish other state hospitals with mental tests suitable for adult subjects of subnormal mentality, we have undertaken the revision and standardization of a series of tests which were developed tentatively at Worcester State Hospital in 1925. These tests are adapted to the interests of adults, and contain no questions which are essentially puerile; but they are scaled in difficulty to the mental level corresponding to the ages eight to fourteen, a range which covers the great majority of our patients. Each of these tests is standardized without time limit, so that we may permit the patient to take his own time.

Test records have been obtained from over a thousand children of the public schools in Lynn. As a check on the results, we have taken two hundred additional records from children of Jersey City, New Jersey. The tabulation of the data is in progress, and we shall soon have norms for our own use and for publication. The work of scoring the records has been done chiefly outside of office hours. The system of tests, when complete, will be a convenient method of examination for employees or applicants for employment. In the study of patients who cannot speak English, we depend upon non-language performance tests. At present we are using privately owned materials for the most part, but are beginning to collect non-language tests which are to become the property of the Hospital.

We are in great need of suitable quarters in which to carry on the work of the department. There should be two examining rooms, in order that both of us may work at the same time. It is important to have a small workshop with simple equipment, because much of the apparatus we need can be made at slight cost. We need also an additional assistant, if we are to have time for intensive study of any considerable number of patients. At present it is only the most urgent cases who can receive special attention from us. The routine work can be carried by two persons, but it does not leave much time for special work with patients who would respond to individual effort. We could do much more if it were possible to employ another student who could assist with the routine examination of incoming patients.

I desire in conclusion to express my appreciation to Dr. C. A. Bonner for his cordial interest in my projects, and especially for the aid which I have received from the Hospital in bringing to completion this research which was started in another institution.

Respectfully submitted,

GRACE H. KENT, PH.D.

PUBLICATIONS.

The Importance of the Mental Attitude of the Child Toward the Dentist and Physician, by Clarence A. Bonner, M.D., Superintendent, published in the October number of the *Bulletin of the Massachusetts Department of Mental Diseases*.

VALUATION.

November 30, 1928.

REAL ESTATE.

Land, 517 acres	\$89,640.00
Buildings	2,536,549.00

\$2,626,189.00

PERSONAL PROPERTY.

Travel, Transportation and Office Expense	\$3,232.44
Food	11,803.71
Clothing and Materials	15,287.03
Furnishings and Household Supplies	114,711.52
Medical and General Care	13,520.09
Heat, Light and Power	5,376.15
Farm	70,238.17
Garage, Stables and Grounds	10,611.22
Repairs	19,098.26

\$263,878.59

SUMMARY.

Real Estate	\$2,626,189.00
Personal Property	263,878.59

\$2,890,067.59

FINANCIAL REPORT.

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1928.

CASH ACCOUNT.

Receipts.

<i>Income</i>		
Board of Patients	\$156,964.13	
Personal Services:		\$156,964.13
Reimbursement from Board of Retirement		224.70
Sales:		
Food	\$961.92	
Clothing and Materials	411.42	
Furnishings and Household Supplies	6.35	
Medical and General Care	91.96	
Heat, Light and Power	24.25	
Farm:		
Cows and calves	\$496.20	
Pigs and hogs . . . . .	.70	
Hides	194.13	
Ice	25.00	
Wood	118.00	
Sundries	213.99	
		1,048.02
Garage, Stable and Grounds	203.50	
Repairs, Ordinary	292.05	
		3,039.47
Total sales		
Miscellaneous:		
Interest on bank balances	186.24	
Rent	479.38	
Sundries		
		665.62
Total income		\$160,893.92

MAINTENANCE.

Balance from previous year, brought forward	\$21,533.75
Appropriations, current year	\$689,550.00
Less reduction in appropriation	7,260.00
	682,290.00
Total	\$703,823.75
Expenses (as analyzed below)	674,940.13
Balance reverting to Treasury of Commonwealth	\$28,883.62

ANALYSIS OF EXPENSES.

Personal services	\$321,122.47
Religious instruction	2,042.90
Travel, transportation and office expenses	5,708.08
Food	126,247.48
Clothing and materials	22,399.80
Furnishings and household supplies	37,443.95
Medical and general care	28,648.28
Heat, light and power	53,065.18
Farm	31,788.61
Garage, stable and grounds	5,948.97
Repairs, ordinary	22,057.84
Repairs and renewals	18,466.57
Total expenses for maintenance	\$674,940.13

SPECIAL APPROPRIATIONS.

Balance December 1, 1927	\$70,287.85
Appropriations for current year	160,100.00
Total	\$230,387.85
Expended during the year (see statement below)	\$69,259.15
Reverting to Treasury of Commonwealth	5.73
	69,264.88
Balance November 30, 1928, carried to next year	\$161,122.97

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Total Expended to Date.	Balance at End of Year.
Verandas C. & H.	1926-79	\$50,000.00	—	\$49,997.20	*\$2.80
Garage Extension	1926-79	5,000.00	\$37.42	4,997.07	*2.93
Space for Industries	1927-138	16,000.00	11,537.97	14,873.73	1,126.27
Male Attendants' Home	1927-138	65,000.00	46,500.33	62,047.80	2,952.20
Renovating Plumbing	1927-138	6,000.00	4,884.48	4,884.48	1,115.52
Plumbing, Middleton	1927-138	3,000.00	133.63	1,008.33	1,991.67
Improvements Coal Trestle	1927-138	2,000.00	—	1,997.37	2.63
Nurses' Home	1928-127	143,000.00	55.80	55.80	142,944.20
Furnishings Male Attendants' Home	1928-127	4,700.00	3,699.22	3,699.22	1,000.78
Replacing Certain Elevators	1928-127	12,400.00	2,410.30	2,410.30	9,989.70
		\$307,100.00	\$69,259.15	\$145,971.30	\$161,128.70

Balance reverting to Treasury of the Commonwealth during year (mark item with*)	\$5.73
Balance carried to next year	161,122.97
Total as above	\$161,128.70

RECEIPTS.

Balance on hand from previous fiscal year	\$70,287.85
Received from appropriations	863,923.75
Received from paying patients	156,964.13
Received from all other sources	3,929.79
Total receipts	\$1,095,105.52

DISBURSEMENTS.

Expenditures for <i>maintenance</i> of patients:	
Salaries and wages	\$321,122.47
Provisions (food)	126,247.48
Fuel, light and water	68,493.99
All other expenditures for maintenance	159,076.19
Total expenditures for maintenance	\$674,940.13
Expenditures for all purposes other than maintenance, including new buildings, other additions and permanent betterments	69,259.15
Total expenditures	\$744,199.28
Amount returned to state treasurer or other officials	189,783.27
Balance on hand at close of year	161,122.97
Total disbursements, including balance on hand	\$1,095,105.52

PER CAPITA.

During the year the average number of inmates has been 1,892.4.
Total cost for maintenance, \$674,940.13.
Equal to a weekly per capita cost of \$6.8215. (52 weeks to year.)
Receipt from sales, \$3,045.10.
Equal to a weekly per capita of \$.0308.
All other institution receipts, \$157,856.32.
Equal to a weekly per capita of \$1.5953.
Net weekly per capita, \$5.1954.

Respectfully submitted,

GLADYS E. LEACH, *Treasurer.*

STATISTICAL TABLES.

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION
PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

TABLE 1. *General Information.*

Data correct at end of hospital year, November 30, 1928.

1. Date of opening as a hospital for mental diseases, May 13, 1878.									
2. Type of hospital: State.									
3. Hospital plant:									
Value of hospital property:									
Real estate, including buildings	.	.	.	.	.	.	.	.	\$2,626,189.00
Personal property	.	.	.	.	.	.	.	.	263,878.59
Total	.	.	.	.	.	.	.	.	\$2,890,067.59
Total acreage of hospital property owned, 517.									
Additional acreage rented, 150.									
Total acreage under cultivation during previous year, 349.									

4. Officers and employees:	Actually in Service at End of Year.			Vacancies at End of Year.		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	9	—	9	3	1	4
Total physicians	10	—	10	3	1	4
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	13	13	—	4	4
Other nurses and attendants	72	93	165	17	23	40
Occupational therapists	—	5	5	—	—	—
Social workers	—	2	2	—	1	1
All other officers and employees	82	53	135	17	24	41
Total officers and employees	157	166	323	34	52	86

NOTE: The following items, 5 to 10, inclusive, are for the year ended September 30, 1928.

5. Census of patient population at end of year:	Actually in Hospital.			Absent from Hospital but still on Books.		
	M.	F.	T.	M.	F.	T.
White:						
Insane	835	1,061	1,896	125	117	242
Mental defectives	6	3	9	—	1	1
All other cases	1	1	2	1	—	1
Total	842	1,065	1,907	126	118	244
Other Races:						
Insane	12	6	18	1	—	1
Total	12	6	18	1	—	1
Grand total	854	1,071	1,925	127	118	245

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report	Males.	Females.	Total.
7. Other patients employed in general work of hospital on date of report	18	31	49
8. Average daily number of all patients actually in hospital during year	451	449	900
9. Voluntary patients admitted during year	827.5	1053.4	1874.9
10. Persons given advice or treatment in out-patient clinics during year	10	2	12
	91	67	158

TABLE 2. *Financial Statement.*

See Treasurer's report for data requested under this table.

NOTE:—The following Tables 3-19, inclusive, are for the statistical year ended September 30, 1928.

TABLE 3. *Movement of Patient Population.*

	INSANE.			SANE, VOLUNTARY.			TEMPORARY CARE AND OBSERVATION.			TOTAL ON BOOKS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on books of Institution September 30, 1927	900	1,153	2,053	2	—	2	6	3	9	908	1,156	2,064
2. Admissions during year:												
(a) First admissions	241	229	470	3	1	4	52	23	75	296	253	549
(b) Readmissions	67	49	116	1	—	1	16	3	19	84	52	136
(c) Transfers from other hospitals for mental disease	14	15	29	—	—	—	—	—	—	14	15	29
3. Total received during year	322	293	615	4	1	5	68	26	94	394	320	714
4. Total on books during year	1,222	1,446	2,668	6	1	7	74	29	103	1,302	1,476	2,778
5. Discharged from books during year:												
(a) As recovered	5	1	6	2	—	2	13	7	20	20	8	28
(b) As improved	100	99	199	2	—	2	6	1	7	108	100	208
(c) As unimproved	11	4	15	—	—	—	6	5	11	17	9	26
(d) As without psychosis	6	1	7	2	1	3	29	9	38	37	11	48
(e) Transferred to other hospitals for mental disease	37	41	78	—	—	—	—	—	—	37	41	78
(f) Died during year	93	114	207	—	—	—	9	4	13	102	118	220
6. Total discharged, transferred and died during year	252	260	512	6	1	7	63	26	89	321	287	608
7. Insane patients remaining on books of hospital at end of hospital year:												
(a) In hospital	843	1,068	1,911	—	—	—	11	3	14	854	1,071	1,925
(b) On parole or otherwise absent	127	118	245	—	—	—	—	—	—	127	118	245
Total	970	1,186	2,156	—	—	—	11	3	14	981	1,189	2,170

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	M.	F.	T.	Fathers.	Mothers.	Both Parents.	Fathers.	Mothers.	Both Parents.
United States	143	129	272	80	79	67	59	61	51
Austria	1	1	2	1	2	1	—	—	—
Canada ¹	24	32	56	24	29	20	44	41	36
Denmark	—	—	—	—	—	—	—	—	—
England	5	10	15	10	11	8	20	18	14
Finland	—	—	—	—	—	—	1	—	—
France	—	—	—	4	1	1	1	2	—
Germany	2	2	4	4	4	4	7	5	4
Greece	1	2	3	1	1	1	2	2	2
Hungary	1	—	1	1	1	1	—	—	—
Ireland	22	17	39	43	42	37	39	45	39
Italy	11	7	18	13	12	12	13	13	13
Poland	5	8	13	6	7	6	8	7	6
Portugal	2	1	3	2	2	2	1	1	1
Russia	13	11	24	17	15	15	14	13	13
Scotland	4	5	9	6	3	3	8	6	6
Sweden	3	—	3	4	5	4	—	1	—
Turkey in Europe	—	1	1	—	—	—	1	1	1
Other Countries	3	2	5	3	3	3	2	2	2
Unascertained	1	1	2	21	24	20	9	11	7
Total	241	229	470	241	241	205	229	229	195

¹ Includes Newfoundland.

TABLE 4A. *Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born.*

Age Groups.	Aggregate.						NATIVE BORN.						FOREIGN BORN.										Nativity Unascertained.										
	Total.						PARENTAGE.			TIME IN UNITED STATES BEFORE ADMISSION.																							
							M. F. T.																										
							Total.																										
M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.										
Under 15 years	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
15-19 years	10	7	17	8	5	13	2	4	6	1	2	3	1	1	2	2	4	8	4	8	1	1	2	2									
20-24 years	18	14	32	14	10	24	4	7	11	6	6	5	3	1	1	2	4	8	4	8	1	1	2	2									
25-29 years	15	21	36	11	16	27	4	5	9	2	3	5	3	1	1	2	3	5	4	5	2	3	5	5									
30-34 years	29	21	50	14	14	28	8	6	14	4	5	9	2	3	5	1	1	3	15	7	22	15	7	22									
35-39 years	20	29	49	13	13	26	3	4	7	4	4	8	4	4	8	2	1	3	15	7	22	15	7	22									
40-44 years	13	20	33	6	10	16	4	2	6	4	4	8	4	4	8	2	1	3	15	7	22	15	7	22									
45-49 years	24	20	44	9	12	21	5	4	9	3	5	8	1	3	4	1	1	3	15	7	22	15	7	22									
50-54 years	27	20	47	14	11	25	6	5	11	5	5	10	3	3	1	1	1	3	15	7	22	15	7	22									
55-59 years	15	10	25	6	4	10	3	3	6	1	1	2	1	1	1	1	1	3	15	7	22	15	7	22									
60-64 years	20	14	34	15	4	19	7	2	9	2	1	3	3	1	4	1	1	3	15	7	22	15	7	22									
65-69 years	19	15	34	14	6	20	7	1	8	2	4	6	2	1	3	3	1	4	15	7	22	15	7	22									
70 years and over	31	37	68	19	23	42	10	14	24	2	2	4	4	6	10	3	1	4	15	7	22	15	7	22									
Unascertained	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Total	241	229	470	143	129	272	66	51	117	31	48	79	30	25	55	16	5	21	98	100	198	1	2	3	4	3	7	1	-	1	92	95	187

TABLE 5. *Citizenship of First Admissions.*

	Males.	Females.	Total.
Citizens by birth	143	129	272
Citizens by naturalization	42	45	87
Aliens	39	29	68
Citizenship unascertained	17	26	43
Total	241	229	470

TABLE 6. *Psychoses of First Admissions.*

PSYCHOSES.	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses				3	—	3
2. Senile psychoses				22	25	47
3. Psychoses with cerebral arteriosclerosis				40	41	81
4. General paralysis				26	9	35
5. Psychoses with cerebral syphilis				2	2	4
6. Psychoses with Huntington's chorea				1	—	1
7. Psychoses with brain tumor						
8. Psychoses with other brain or nervous diseases, total				3	10	13
Cerebral embolism	—	2	2			
Paralysis agitans	1	—	1			
Other diseases	2	8	10			
9. Alcoholic psychoses, total				19	4	23
Delirium tremens	2	—	2			
Korsakow's psychosis	—	1	1			
Acute hallucinosis	7	1	8			
Other types, acute or chronic	10	2	12			
10. Psychoses due to drugs and other exogenous toxins, total				1	—	1
Other exogenous toxins	1	—	1			
11. Psychoses with pellagra						
12. Psychoses with other somatic diseases, total				1	7	8
Exhaustion delirium	—	3	3			
Cardio-renal diseases	—	1	1			
Other diseases or conditions	1	3	4			
13. Manic-depressive psychoses, total				24	24	48
Manic type	6	10	16			
Depressive type	16	12	28			
Other types	2	2	4			
14. Involution melancholia				1	7	8
15. Dementia præcox (schizophrenia)				64	65	129
16. Paranoia and paranoid conditions				1	—	1
17. Epileptic psychoses				7	1	8
18. Psychoneuroses and neuroses, total				2	4	6
Hysterical type	1	1	2			
Psychasthenic type (anxiety and obsessive forms)	—	2	2			
Other types	1	1	2			
19. Psychoses with psychopathic personality				2	—	2
20. Psychoses with mental deficiency				7	11	18
21. Undiagnosed psychoses				13	18	31
22. Without psychosis, total				2	1	3
Mental deficiency without psychosis	—	1	1			
Others	2	—	2			
Total				241	229	470

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses.*

RACE.	Total.			Traumatic.			Senile.			With cerebral arterio-sclerosis.			General paralysis.			With cerebral syphilis.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	2	1	3	-	-	-	-	-	-	-	1	1	2	-	2	-	-	-
Armenian	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	46	58	104	1	-	1	7	6	13	10	14	24	4	2	6	1	1	2
French	15	18	33	-	-	-	-	3	3	2	2	4	2	1	3	1	-	1
German	5	5	10	-	-	-	-	-	-	1	1	2	1	1	2	-	-	-
Greek	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	6	14	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	51	55	106	1	-	1	1	3	4	12	9	21	4	1	5	-	1	1
Italian ¹	14	11	25	1	-	1	2	-	2	1	1	2	2	-	2	-	-	-
Lithuanian	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Scandinavian ²	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	7	3	10	-	-	-	1	-	1	1	-	1	1	-	1	-	-	-
Slavonic ³	20	13	33	-	-	-	1	2	3	1	5	6	2	-	2	-	-	-
Spanish-American	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	35	24	59	-	-	-	3	4	7	7	4	11	3	2	5	-	-	-
Race unascertained	32	21	53	-	-	-	7	7	14	5	4	9	4	2	6	-	-	-
Total	241	229	470	3	-	3	22	25	47	40	41	81	26	9	35	2	2	4

¹ Includes "North" and "South."² Norwegians, Danes and Swedes.³ Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE.	With Huntington's chorea.			With brain tumor.			With other brain or nervous diseases.			Alcoholic.			Due to drugs and other exogenous toxins.			With pellagra.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	-	-	-	4	4	1	1	2	-	-	-	-	-	-
French	-	-	-	-	-	-	-	1	1	2	-	2	-	-	-	-	-	-
German	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-
Irish	-	-	-	-	-	-	-	1	1	7	1	8	1	-	1	-	-	-
Italian ¹	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	-	-	-	5	-	5	-	-	-	-	-	-
Spanish-American	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	1	-	1	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-
Race unascertained	-	-	-	-	-	-	1	2	3	-	-	-	-	-	-	-	-	-
Total	1	-	1	-	-	-	3	10	13	19	4	23	1	-	1	-	-	-

¹ Includes "North" and "South."² Norwegians, Danes and Swedes.³ Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE.	With other somatic diseases.			Manic- depressive.			Involution melan- cholia.			Dementia præcox.			Paranoia and paranoid conditions.			Epileptic psychoses.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-
English	-	2	2	4	7	11	-	-	-	11	11	22	-	-	-	-	1	1
French	1	-	1	2	2	4	-	2	2	3	6	9	-	-	-	1	-	1
German	-	1	1	-	1	1	-	-	-	1	1	2	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	1	2	3	-	-	-	-	-	-
Hebrew	-	-	-	-	3	3	-	-	-	4	5	9	-	-	-	-	-	-
Irish	-	3	3	5	8	13	-	3	3	15	16	31	-	-	-	2	-	2
Italian ¹	-	-	-	-	-	-	-	-	-	5	7	12	-	-	-	1	-	1
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-
Scotch	-	-	-	1	-	1	-	-	-	3	3	6	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	-	-	-	6	4	10	-	-	-	1	-	1
Spanish-American	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Other specific races	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	6	3	9	1	1	2	4	7	11	1	-	1	2	-	2
Race unascertained	-	1	1	5	-	5	-	1	1	6	2	8	-	-	-	-	-	-
Total	1	7	8	24	24	48	1	7	8	64	65	129	1	-	1	7	1	8

¹ Includes "North" and "South."
² Norwegians, Danes and Swedes.
³ Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruther-
nian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

RACE.	Psycho- neuroses and neuroses.			With psycho- pathic personality.			With mental deficiency.			Un- diagnosed psychoses.			Without psychosis.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	1	1	2	1	-	1	1	3	4	3	4	7	1	1	2
French	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	2	2	-	4	4	-	-	-
Irish	-	2	2	-	-	-	1	1	2	2	6	8	-	-	-
Italian ¹	1	-	1	-	-	-	-	-	-	1	1	2	-	-	-
Lituanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	1	1	2	3	1	4	-	-	-
Spanish-American	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Mixed	-	-	-	1	-	1	1	2	3	2	1	3	-	-	-
Race unascertained	-	1	1	-	-	-	2	1	3	2	-	2	-	-	-
Total	2	4	6	2	-	2	7	11	18	13	18	31	2	1	3

¹ Includes "North" and "South."
² Norwegians, Danes and Swedes.
³ Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruther-
nian, Servian, Slovak, Slovenian.

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Under 15 years.			15-19 years.			20-24 years.			25-29 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	22	25	47	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	40	41	81	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	26	9	35	-	-	-	-	-	-	-	-	-	1	1	2
5. With cerebral syphilis	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	3	10	13	-	-	-	1	-	1	-	-	-	-	1	1
9. Alcoholic	19	4	23	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	7	8	-	1	1	-	-	-	1	1	-	-	1	1
13. Manic-depressive	24	24	48	-	-	-	2	2	1	4	5	3	1	4	-
14. Involution melancholia	1	7	8	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia præcox	64	65	129	-	-	-	7	3	10	12	4	16	8	14	22
16. Paranoia and paranoid conditions	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	7	1	8	-	-	-	1	-	1	1	-	1	2	-	2
18. Psychoneuroses and neuroses	2	4	6	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	7	11	18	-	-	-	2	2	2	4	6	1	2	3	-
21. Undiagnosed psychoses	13	18	31	-	-	-	-	-	2	1	3	-	1	1	-
22. Without psychosis	2	1	3	-	-	-	1	-	1	-	-	-	-	-	-
Total	241	229	470	-	1	1	10	7	17	18	14	32	15	21	36

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued.*

PSYCHOSES.	30-34 years.			35-39 years.			40-44 years.			45-49 years.			50-54 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	1	1	-	-	-	-	-	-	1	1	4	2	6	6
4. General paralysis	1	-	1	3	3	6	7	1	8	7	1	8	6	3	9
5. With cerebral syphilis	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	1	3	4	-	1	1	-	1	1	1	2	3
9. Alcoholic	2	2	4	3	-	3	-	-	-	4	1	5	3	1	4
10. Due to drugs and other exogenous toxins	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	2	2	-	-	-	-	-	-	-	-	-	1	-	1
13. Manic-depressive	1	1	2	3	5	8	2	2	4	3	2	5	3	3	6
14. Involution melancholia	-	-	-	-	1	1	-	1	1	-	2	2	1	-	1
15. Dementia præcox	19	7	26	5	11	16	3	9	12	2	12	14	4	4	8
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	3	-	3	-	1	1	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	2	2	1	1	2	-	-	-	-	-	-	1	1	2
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
20. With mental deficiency	1	1	2	2	2	4	-	-	-	1	-	1	-	-	-
21. Undiagnosed psychoses	1	5	6	2	2	4	-	5	5	3	-	3	2	2	4
22. Without psychosis	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Total	29	21	50	20	29	49	13	20	33	24	20	44	27	18	45

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

PSYCHOSES.	55-59 years.			60-64 years.			65-69 years.			70 years and over.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
2. Senile	1	-	1	2	2	4	5	3	8	14	20	34	-	-	-
3. With cerebral arteriosclerosis	3	3	6	8	7	15	9	9	18	16	18	34	-	-	-
4. General paralysis	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	5	-	5	2	-	2	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
13. Manic-depressive	3	1	4	2	2	4	2	1	3	1	-	1	-	-	-
14. Involution melancholia	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-
15. Dementia præcox	1	-	1	2	-	2	1	1	2	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	1	2	3	2	-	2	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Total	15	12	27	20	13	33	19	15	34	31	38	69	-	-	-

TABLE 9. *Degree of Education of First Admissions Classified with Reference to Principal Psychoses.*

Psychoses.	Total.			Illiterate.			Reads and Writes. ¹			Common School.			High School.			College.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	1	1	2	2	9	2	2	4	6	—	—	—	—	—	—	—	—	—
2. Senile	22	25	47	4	5	9	11	20	2	2	4	6	1	1	2	3	5	8	—	—	—
3. With cerebral arteriosclerosis	40	41	81	2	3	5	28	48	7	6	13	7	1	1	2	1	2	3	—	—	—
4. General paralysis	26	9	35	2	—	—	17	23	2	2	4	6	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	2	2	4	—	—	—	1	2	—	—	—	1	1	—	—	—	—	—	—	—	—
6. With Huntington's chorea	1	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	10	13	—	1	1	3	5	1	1	2	8	—	—	—	—	—	—	—	—	—
9. Alcoholic	19	4	23	3	1	4	10	2	1	1	2	12	—	—	—	1	—	—	4	1	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	7	8	—	—	—	1	3	1	1	1	4	—	—	—	—	—	—	—	—	—
13. Manic-depressive	24	24	48	—	1	1	16	12	3	3	3	5	1	1	2	—	—	—	—	—	—
14. Involution melancholia	1	7	8	—	—	—	1	4	1	1	1	5	—	—	—	—	—	—	3	1	—
15. Dementia præcox	64	65	129	1	2	3	34	38	5	2	7	72	2	2	2	3	2	5	8	6	—
16. Paranoia and paranoid conditions	1	1	2	—	—	—	1	1	—	—	—	1	15	28	—	3	2	—	—	—	—
17. Epileptic psychoses	7	1	8	1	—	—	4	1	—	—	—	1	—	—	—	—	—	—	1	—	—
18. Psychoneuroses and neuroses	2	4	6	—	—	—	2	2	—	—	—	2	1	2	2	—	—	—	—	—	—
19. With psychopathic personality	7	—	7	—	—	—	1	4	—	—	—	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency	2	11	18	—	1	1	1	8	2	5	—	12	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	13	18	31	—	1	1	11	13	3	—	—	24	—	—	—	1	1	2	1	1	—
22. Without psychosis	2	1	3	—	—	—	1	—	1	—	—	1	—	—	—	—	—	—	—	—	—
Total	241	229	470	12	10	22	149	125	16	23	39	274	31	38	69	6	8	14	27	25	52

¹ Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Urban.			Rural.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	-	3	3	-	3	-	-	-	-	-	-
2. Senile	22	25	47	21	23	44	1	-	1	-	2	2
3. With cerebral arteriosclerosis	40	41	81	40	40	80	-	-	-	-	1	1
4. General paralysis	26	9	35	26	8	34	-	1	1	-	-	-
5. With cerebral syphilis	2	2	4	2	1	3	-	1	1	-	-	-
6. With Huntington's chorea	1	-	1	1	-	1	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	3	10	13	3	10	13	-	-	-	-	-	-
9. Alcoholic	19	4	23	19	4	23	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	1	-	1	1	-	1	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	7	8	1	7	8	-	-	-	-	-	-
13. Manic-depressive	24	24	48	23	24	47	-	-	-	1	-	1
14. Involution melancholia	1	7	8	1	7	8	-	-	-	-	-	-
15. Dementia præcox	64	65	129	62	65	127	2	-	2	-	-	-
16. Paranoia and paranoid conditions	1	-	1	1	-	1	-	-	-	-	-	-
17. Epileptic psychoses	7	1	8	7	1	8	-	-	-	-	-	-
18. Psychoneuroses and neuroses	2	4	6	2	4	6	-	-	-	-	-	-
19. With psychopathic personality	2	-	2	2	-	2	-	-	-	-	-	-
20. With mental deficiency	7	11	18	7	10	17	-	-	-	-	1	1
21. Undiagnosed psychoses	13	18	31	11	18	29	-	-	-	2	-	2
22. Without psychosis	2	1	3	2	1	3	-	-	-	-	-	-
Total	241	229	470	235	223	458	3	2	5	3	4	7

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Dependent.			Marginal.			Comfortable.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	-	3	-	-	-	3	-	3	-	-	-	-	-	-
2. Senile	22	25	47	5	10	15	10	8	18	2	1	3	5	6	11
3. With cerebral arteriosclerosis	40	41	81	7	10	17	27	26	53	1	-	1	5	5	10
4. General paralysis	26	9	35	5	2	7	17	6	23	-	-	-	4	1	5
5. With cerebral syphilis	2	2	4	-	-	-	2	2	4	-	-	-	-	-	-
6. With Huntington's chorea	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
7. With brain-tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	3	10	13	-	1	1	3	9	12	-	-	-	-	-	-
9. Alcoholic	19	4	23	7	-	7	9	4	13	2	-	2	1	-	1
10. Due to drugs and other exogenous toxins	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	7	8	-	1	1	1	5	6	-	-	-	-	1	1
13. Manic-depressive	24	24	48	6	2	8	13	22	35	1	-	1	4	-	4
14. Involution melancholia	1	7	8	-	1	1	-	5	5	1	-	1	-	1	1
15. Dementia præcox	64	65	129	16	7	23	40	50	90	-	2	2	8	6	14
16. Paranoia and paranoid conditions	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
17. Epileptic psychoses	7	1	8	3	-	3	3	1	4	-	-	-	1	-	1
18. Psychoneuroses and neuroses	2	4	6	-	1	1	2	3	5	-	-	-	-	-	-
19. With psychopathic personality	2	-	2	-	-	-	2	-	2	-	-	-	-	-	-
20. With mental deficiency	7	11	18	3	4	7	4	4	8	-	1	1	-	2	2
21. Undiagnosed psychoses	13	18	31	3	3	6	7	14	21	-	1	1	3	-	3
22. Without psychosis	2	1	3	1	1	2	1	-	1	-	-	-	-	-	-
Total	241	229	470	57	43	100	146	159	305	7	5	12	31	22	53

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Abstinent.			Temperate.			Intemperate.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	—	—	—	1	—	1	2	—	2	—	—	—
2. Senile	22	25	47	15	24	39	4	1	5	2	—	2	1	—	1
3. With cerebral arteriosclerosis	40	41	81	26	40	66	12	1	13	1	—	1	1	—	1
4. General paralysis	26	9	35	12	6	18	12	2	14	1	—	1	1	1	2
5. With cerebral syphilis	2	2	4	1	2	3	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	10	13	2	9	11	1	—	1	—	—	—	—	1	1
9. Alcoholic	19	4	23	3	2	5	2	—	2	13	2	15	1	—	1
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	7	8	—	7	7	—	—	—	1	—	1	—	—	—
13. Manic-depressive	24	24	48	12	21	33	10	—	10	2	3	5	—	—	—
14. Involution melancholia	1	7	8	1	7	8	—	—	—	—	—	—	—	—	—
15. Dementia præcox	64	65	129	42	57	99	15	6	21	5	1	6	2	1	3
16. Paranoia and paranoid conditions	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	7	1	8	7	1	8	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	2	4	6	2	4	6	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	2	—	2	2	—	2	—	—	—	—	—	—	—	—	—
20. With mental deficiency	7	11	18	5	10	15	2	1	3	—	—	—	—	—	—
21. Undiagnosed psychoses	13	18	31	5	15	20	5	1	6	2	2	4	1	—	1
22. Without psychosis	2	1	3	2	1	3	—	—	—	—	—	—	—	—	—
Total	241	229	470	139	206	345	64	12	76	31	8	39	7	3	10

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.		Single.		Married.		Widowed.		Separated.		Divorced.		Unascertained.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	3	-	3	-	3	-	7	-	-	-	1	-	-	-
2. Senile	22	25	9	6	11	5	13	13	-	-	1	1	-	-
3. With cerebral arteriosclerosis	40	41	10	13	28	12	6	16	-	-	2	2	1	1
4. General paralysis	26	9	7	-	17	7	2	2	-	-	2	2	-	-
5. With cerebral syphilis	2	2	1	-	1	1	-	1	-	-	-	-	-	-
6. With Huntington's chorea	1	-	-	-	1	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	3	10	1	3	1	8	-	-	-	-	-	-	-	-
9. Alcoholic	19	4	8	1	9	3	1	1	-	1	1	-	-	-
10. Due to drugs and other exogenous toxins	1	-	-	-	1	-	-	-	-	-	-	-	-	-
11. With pellagra	1	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	7	1	1	1	5	1	1	-	-	-	-	-	-
13. Manic-depressive	24	24	7	8	12	16	2	28	3	-	-	-	-	-
14. Involution melancholia	1	7	1	1	1	6	-	2	-	-	-	-	-	-
15. Dementia præcox	64	65	43	22	20	36	-	5	-	-	1	1	-	1
16. Paranoia and paranoid conditions	1	-	1	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	7	1	7	1	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	2	4	2	2	2	2	-	-	-	-	-	-	-	-
19. With psychopathic personality	2	-	1	8	1	3	-	-	-	-	-	-	-	-
20. With mental deficiency	7	11	5	8	2	3	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	13	18	2	3	8	13	-	1	1	1	1	-	1	1
22. Without psychosis	2	1	1	-	1	1	-	-	-	-	-	-	-	-
Total	241	229	91	63	120	118	18	40	4	2	6	4	2	4
		470		154		238	58				10			

TABLE 14. *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Total.
1. Traumatic psychoses	—	—	—
2. Senile psychoses	—	1	1
3. Psychoses with cerebral arteriosclerosis	2	5	7
4. General paralysis	1	—	1
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	1	1	2
9. Alcoholic psychoses	6	—	6
10. Psychoses due to drugs and other exogenous toxins	—	—	—
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	1	—	1
13. Manic-depressive psychoses	14	15	29
14. Involution melancholia	1	1	2
15. Dementia præcox	22	18	40
16. Paranoia and paranoid conditions	—	—	—
17. Epileptic psychoses	1	1	2
18. Psychoneuroses and neuroses	—	3	3
19. Psychoses with psychopathic personality	1	—	1
20. Psychoses with mental deficiency	8	2	10
21. Undiagnosed psychoses	4	2	6
22. Without psychosis	5	—	5
Total	67	49	116

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge.*

PSYCHOSES.	Total.			Recovered.			Improved.			Unimproved.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	2	—	2	—	—	—
2. Senile	3	1	4	—	—	—	2	1	3	1	—	1
3. With cerebral arteriosclerosis	6	7	13	—	1	1	3	6	9	3	—	3
4. General paralysis	3	2	5	—	—	—	3	2	5	—	—	—
5. With cerebral syphilis	1	—	1	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.	4	3	7	—	—	—	4	3	7	—	—	—
9. Alcoholic	24	—	24	3	—	3	21	—	21	—	—	—
10. Due to drugs and other exogenous toxins	2	—	2	—	—	—	2	—	2	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	11	13	—	—	—	2	10	12	—	1	1
13. Manic-depressive	21	22	43	2	—	2	17	21	38	2	1	3
14. Involution melancholia	1	7	8	—	—	—	1	7	8	—	—	—
15. Dementia præcox	28	37	65	—	—	—	24	35	59	4	2	6
16. Paranoia and paranoid conditions	1	2	3	—	—	—	1	2	3	—	—	—
17. Epileptic psychoses	3	1	4	—	—	—	3	1	4	—	—	—
18. Psychoneuroses and neuroses	1	4	5	—	—	—	1	4	5	—	—	—
19. With psychopathic personality	2	1	3	—	—	—	2	1	3	—	—	—
20. With mental deficiency	9	—	9	—	—	—	8	—	8	1	—	1
21. Undiagnosed psychoses	3	6	9	—	—	—	3	6	9	—	—	—
22. Without psychosis	6	1	7	—	—	—	—	—	—	—	—	—
Total	122	105	227	5	1	6	100	99	199	11	4	15

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses.

CAUSES OF DEATH.	Total.			Senile.			With cerebral arterio-sclerosis.			General paralysis.			Alcoholic.			Manic-depressive.			Involution melancholia.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases.</i>																					
Erysipelas	2	2	4	1	1	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Tuberculosis of the respiratory system	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of other organs	3	9	12	-	-	-	1	-	1	1	-	-	1	-	1	-	-	-	-	-	-
Syphilis (non-nervous forms)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>General Diseases Not Included in Class I.</i>																					
Cancer and other malignant tumors	3	1	3	-	-	-	-	1	-	1	-	-	1	-	1	1	-	-	-	-	-
Diabetes	-	1	1	-	-	-	-	1	1	3	-	-	-	-	-	-	-	-	-	-	-
Other general diseases	4	8	12	3	4	7	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System.</i>																					
Cerebral hemorrhage, apoplexy	2	3	5	-	-	-	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-
General paralysis of the insane	15	8	23	-	-	-	-	1	1	14	6	20	-	-	-	-	-	-	-	-	-
Epilepsy	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the nervous system	9	4	13	1	1	2	-	-	-	1	-	1	-	-	-	3	1	4	1	-	1
<i>Diseases of the Circulatory System.</i>																					
Endocarditis and myocarditis	14	13	27	4	1	5	4	4	8	-	-	-	1	-	1	1	2	3	-	-	-
Angina pectoris	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerosis	21	51	72	4	15	19	16	28	44	-	-	-	-	-	-	-	3	3	-	1	1
<i>Diseases of the Respiratory System.</i>																					
Bronchopneumonia	10	2	12	2	-	2	5	1	6	-	-	-	1	-	1	1	-	1	-	-	-
Lobar pneumonia	5	1	6	1	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Asthma	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System.</i>																					
Diarrhea and enteritis	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Hernia and intestinal obstruction	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biliary calculi	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia.</i>																					
Nephritis	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Diseases of bladder	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes.</i>																					
Suicide	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental poisoning	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other external causes	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	93	114	207	16	22	38	30	39	69	17	6	23	6	-	6	6	8	14	1	2	3

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.

CAUSES OF DEATH.	Dementia præcox.			Paranoia or paranoid conditions.			Epileptic psychoses.			Psycho-neuroses and neurosis.			With psychopathic personality.			With mental deficiency.			All other psychoses. ¹					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
<i>Epidemic, Endemic and Infectious Diseases.</i>																								
Erysipelas	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Tuberculosis of the respiratory system	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Tuberculosis of other organs	—	7	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Syphilis (non-nervous forms)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
<i>General Diseases Not Included in Class I.</i>																								
Cancer and other malignant tumors	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Diabetes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Other general diseases	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
<i>Diseases of the Nervous System.</i>																								
Cerebral hemorrhage, apoplexy	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
General paralysis of the insane	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Epilepsy	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Other diseases of the nervous system	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
<i>Diseases of the Circulatory System.</i>																								
Endocarditis and myocarditis	1	4	5	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—			
Angina pectoris	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Arteriosclerosis	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
<i>Diseases of the Respiratory System.</i>																								
Bronchopneumonia	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Lobar pneumonia	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Asthma	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
<i>Diseases of the Digestive System.</i>																								
Diarrhea and enteritis	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Hernia and intestinal obstruction	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Biliary calculi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia.</i>																								
Nephritis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Diseases of bladder	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
<i>External Causes.</i>																								
Suicide	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Accidental poisoning	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Other external causes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Total	7	24	31	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	1	2	3	7	10	17

¹ Includes group 22, "without psychosis."

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses.

Psychoses.	Total.			Under 15 years.		15-19 years.		20-24 years.		25-29 years.		30-34 years.		35-39 years.		40-44 years.			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic	16	22	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2. Senile	30	39	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3. With cerebral arteriosclerosis	17	6	23	-	-	-	-	-	-	1	-	1	3	1	4	4	-	-	
4. General paralysis	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor	1	3	4	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
8. With other brain or nervous diseases	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	
9. Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra	2	3	5	-	-	-	-	-	-	1	-	1	-	-	-	-	1	1	
12. With other somatic diseases	6	8	14	-	-	-	-	-	-	1	1	2	1	1	1	-	-	-	
13. Manic-depressive	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14. Involution melancholia	7	24	31	-	-	-	-	3	1	4	1	1	2	2	4	3	3	3	
15. Dementia præcox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16. Paranoia and paranoid conditions	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18. Psychoneuroses and neuroses	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19. With psychopathic personality	1	2	3	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	
20. With mental deficiency	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	93	114	207	-	-	-	-	3	1	4	5	3	8	4	4	8	7	6	13

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded.

Psychoses.	45-49 years.			50-54 years.			55-59 years.			60-64 years.			65-69 years.			70 years and over.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	-	-	-	1	1	2	1	2	3	5	4	9	1	4	5	14	17	31	-	-	-
5. With cerebral syphilis	3	-	3	3	2	5	-	-	-	1	-	1	-	1	1	17	21	38	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	-	-	-	1	1	1	1	-	1	2	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	1	1	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
13. Manic-depressive	-	2	2	-	-	-	1	-	1	-	1	1	2	2	4	-	2	2	-	-	-
14. Involution melancholia	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia præcox	-	1	1	-	2	2	1	1	2	-	1	1	-	3	3	-	5	5	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-	1	-	1	-	-	-
21. Undiagnosed psychoses	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	4	9	7	7	14	7	6	13	7	10	17	11	22	33	33	46	79	-	-	-

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses.*

PSYCHOSES.	Total.		Less than 1 month.		1-3 months.		4-7 months.		8-12 months.		1-2 years.		3-4 years.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	16	22	6	1	5	6	3	3	3	3	3	8	1	1
3. With cerebral arteriosclerosis	30	39	7	11	3	7	6	11	10	11	11	13	1	5
4. General paralysis	17	6	4	1	3	1	1	1	4	2	2	2	2	2
5. With cerebral syphilis	1	2	-	2	1	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	1	3	-	-	-	-	1	1	-	-	-	-	-	-
8. With other brain or nervous diseases	6	-	-	1	1	-	2	2	-	-	1	1	-	-
9. Alcoholic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	2	3	1	1	-	1	1	1	1	-	1	1	-	-
12. With other somatic diseases	6	8	3	2	-	1	1	2	1	3	2	1	-	-
13. Manic-depressive	1	2	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	7	24	-	-	2	-	1	1	1	4	-	4	1	1
15. Dementia præcox	1	1	-	-	-	-	-	-	-	-	-	-	2	3
16. Paranoia and paranoid conditions	1	1	-	-	-	-	-	-	-	-	1	1	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	1	1	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	1	2	-	-	-	-	-	-	-	-	1	-	-	-
20. With mental deficiency	3	2	2	-	1	1	-	-	-	-	-	-	1	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	93	114	23	21	16	17	13	10	7	8	18	25	5	12
		207	44	33	23	43	15	43	17	17	43	17	17	17

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded.*

PSYCHOSES.	5-6 years.		7-8 years.		9-10 years.		11-12 years.		13-14 years.		15-19 years.		20 years and over.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	1	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	1	1	—	—	1	—	—	—	—	—	—	—	1	—
4. General paralysis	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	1	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	1	1	1	—	—	—	—	—	—	1	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	—	—	—	—	—	—	2	—	—	1	—	—	—	—
14. Involution melancholia	—	1	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia præcox	1	1	—	1	2	2	1	—	—	—	2	—	—	6
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	1	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	—	—	1	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	1	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5	5	2	3	1	2	3	1	—	1	1	2	1	6
		10	5		3		3	2		1	3		6	7

TABLE 19. *Family Care Department.*

	Males.	Females.	Total.
Remaining in Family Care Oct. 1, 1927	1	21	22
On visit from Family Care Oct. 1, 1927	—	—	—
Admitted during the year	—	3	3
Whole number of cases within the year	1	24	25
Dismissed within the year	—	—	—
Returned to institution	—	7	7
Discharged	—	—	—
On visit	—	—	—
Remaining in Family Care Sept. 30, 1928	1	17	18
Supported by State	—	13	13
Private	1	4	5
Self-supporting	—	—	—
Number of different persons within the year	—	10	10
Number of different persons dismissed	—	—	—
Number of different persons admitted	—	2	2
Average daily number in Family Care during the year	1.	18.7	19.7
Supported by State	—	14.1	14.1
Private	1.	4.6	5.6
Self-supporting	—	—	—



The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1929

DEPARTMENT OF MENTAL DISEASES



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DANVERS STATE HOSPITAL

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Consulting Surgeon and Physician — DR. S. CHASE TUCKER, Peabody
Ophthalmologist — PHILIP R. DWYER, M.D., Salem

TRUSTEES' REPORT

To His Excellency the Governor and the Honorable Council:

It is with pleasure and satisfaction that we review the activities of the Danvers State Hospital for the year ending November 30, 1929.

The medical and administrative efforts have combined to promote the best welfare of the patients.

The erection of the new Nurses' Home will enable those nurses who are now living on the wards to have a comfortable abode in a building of their own. This will release many rooms for our patients and will provide a refreshing change for our nurses. A forward step has been accomplished in the conversion of the old gas house into a building for farm patients. It will accommodate some forty of the type who are able to work on the farm and also gives us fifteen additional rooms for farm employees. Gradually the hospital is procuring much needed living quarters for its employees.

Another progressive step is the elimination of the old sewer beds and utilization of the common sewage system.

A great deal of repair work has been done on the various buildings in the institution in which is included painting and reconstruction where necessary so that the physical condition of the plant is in very good state of repair.

The Trustees express their gratification that the State officials have given consideration to the construction of a new kitchen and dining room section for both employees and patients. This has been a crying need for many years and when completed will place the Danvers State Hospital in a very enviable position. Again it is pleasing to us to note the spirit and desire for progress at this hospital on the part of the officials and that the welfare of the patients is always uppermost in their thoughts.

May we take this time to thank the Department of Mental Diseases for its kindly advice and efficient supervision.

Respectfully submitted,

S. HERBERT WILKINS, *Chairman*

DR. ARTHUR C. NASON

HON. JAMES F. INGRAHAM

MRS. ANNA P. MARSH

MRS. ANNIE T. FLAGG

MR. ALBION L. DANFORTH

W. W. LAWS

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-second annual report of the Superintendent for the fiscal year ending November 30, 1929, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1929.

MOVEMENT OF POPULATION

The hospital year opened on October 1st, 1928 with 1,925 patients in the hospital, 215 on visit, 12 on escape, and 18 in family care, making a total of 2,170.

The year ended on September 30th, 1929 with 1,951 patients in the hospital, 252 on visit, 10 on escape, and 16 in family care, making a total of 2,229.

Number of admissions during the year: 390 male; 326 female; total 716; an increase of 2 over the preceding year.

There were no men and no women admitted as voluntary patients; 28 patients were transferred from other institutions; 257 men and 184 women were admitted on temporary care papers.

FIRST ADMISSIONS

Patients admitted to this or any hospital for the first time numbered 548, a decrease of one over the preceding year.

DAILY POPULATION

The total average population for the year was 1,912.8, an increase of 37.9 over the preceding year. There were 2,886 patients treated during the year as compared with 2,778 in 1928.

270 patients died in the institution during the year, which is 50 more than the preceding year.

DISMISSALS

There were 657 patients discharged from the institution during the year, 372 men and 285 women: Classified as to condition on discharge: 26 as recovered; 201 as improved; 26 as unimproved; and 74 as not insane. The figures for the preceding year are as follows: 28 as recovered; 208 as improved; 26 as unimproved; and 48 as not insane.

On September 30th, 1929 there were 252 patients on trial visit in care of friends or under hospital supervision as compared with 215 in 1928.

Since the organization of the hospital 28,764 patients have been admitted and 26,535 discharged.

EX-SERVICE MEN UNDER CARE

October 1, 1928 to September 30, 1929

Number of admissions, 32; return visits, 1; return escapes, 3; discharged, 7; transferred, 20; discharged by death, 4; on visit, 9; on escape, 3; total number

in the hospital October 1, 1928, 70; total number admitted during the year, 36; total number discharged during the year, 43; total number in hospital September 30, 1929, 63; total number under treatment during the year, 106.

MEDICAL ADMINISTRATION

The following changes in personnel of the Staff occurred during the year:

Appointments

Dr. Olive Pippy, appointed assistant physician, July 16, 1929,
 Dr. Elmer Warner, appointed assistant physician, August 17, 1929,
 Dr. John R. Lanier, appointed assistant physician, August 27, 1929,
 Dr. Evelyn A. Alpern, appointed assistant physician, October 7, 1929,
 Dr. Salomon Gagnon, appointed assistant physician, September 10, 1929,
 Dr. Henry L. Clow, promoted to senior physician, October 1, 1929,
 Dr. Myer Bloom, appointed assistant physician, October 1, 1929.

Resignations

Dr. William J. Johnson, resigned April 13, 1929,
 Dr. John R. Bloomberg, resigned June 29, 1929,
 Dr. Edwin D. Lee, resigned August 8, 1929,
 Dr. Dupre M. Hall, died October 14, 1929,
 Dr. Rose R. Donk, resigned September 18, 1929,
 Dr. John R. Lanier, resigned November 8, 1929.

Clinical Assistants

Edward Resnik, June 4, to September 12, 1929,
 George J. M. Grant, June 11 to August 8, 1929,
 Robert Shaughnessy, June 13 to September 21, 1929,
 Irving William Schiller, June 14 to September 21, 1929,
 Sidney A. Sheffner, June 14 to September 21, 1929,
 Myer Bloom, July 2 to October 1, 1929.

STAFF MEETINGS

The usual morning Staff meetings have been conducted daily for the purpose of reading the case record, examining the patient and discussing the diagnosis, prognosis and treatment. All cases are presented for consideration as to the advisability of visit and discharge. Following such meetings letters are sent to the committing judges and examining physicians giving information as to the diagnosis made.

Weekly conferences of the Staff have been held for the purpose of discussing new treatment, difficult problems arising on the medical service, and suggestions of improvements which would materially benefit the patient.

WARD SERVICE

Physicians continue to visit the patients on their wards twice daily, and as much oftener as is necessary. Complete physical examinations are made on each new patient on admission, followed by psychological, mental and laboratory examinations. All patients are immunized against small pox and typhoid fever and where positive Shick reactions are found the toxin-antitoxin is given. Consultations are still frequently held in obscure cases with the hope of discovering physical lesions and thus enhance the probability of improvement mentally.

HYDROTHERAPY

The use of hydrotherapy for treatment of all patients has increased to a remarkable degree throughout the year in spite of the fact that nothing has been done to augment the antiquated equipment. While much can be done in certain cases with the prescribing of tonic baths, the overactive type cannot be intelligently treated without more continuous baths. During the year seclusion has been reduced to a minimum, there being only about 2% of the total population now being so confined. This fact was brought about by the large number of patients receiving various forms of hydrotherapeutic treatment. The total number of cases so treated

was 982. Dr. Rebekah Wright, State Hydrotherapeutist, spent the month of September here giving valuable instruction to our hydrotherapists, nurses and physicians.

OCCUPATIONAL THERAPY

The new quarters have now been in use over a year and the scope has been greatly extended owing to every modern facility. On admission each patient is prescribed for and as improvement is seen is promoted from the ward classes to the Occupational Therapy shop and then graduated into the hospital industries. The products of the department are used as far as possible for decoration of the wards which tend to make them more homelike.

NEUROSYPHILIS CLINIC

Intensive treatment of patients suffering from syphilis by intravenous injections of nearsphenamine, augmented by intramuscular injections of mercury and bismuth, have been continued throughout the year. In many special cases malarial therapy has been used with fair results. This clinic has been under the charge of Dr. J. Romeo Lapierre.

DENTAL SERVICE

Dr. Charles H. Endee has continued to serve as resident dentist devoting his entire time to the work. All newly admitted patients were immediately examined, the condition of their teeth noted and charted, and work undertaken to immediately place their mouths in prophylactic condition. In addition to this work periodical examinations of patients already in the hospital were made and treatment administered according to the necessity. A dental hygienist has also been in constant attendance. The large amount of work which was accomplished is indicated by the table below:

Surgery:	
Local anaesthesia	1099
Ether anaesthesia (2 cases)	
Fillings — Types:	
Silver amalgam	167
Cement	65
Copper amalgam	7
Silver cement	25
Porcelain	15
ZN ₂ and Eng.	127
Prosthetics:	
Completed full plates	10
Completed partial plates	1
Repaired full plates	9
Repaired partial plates	4
Odontexis	409
Treatments in general	657
Referred to X-ray	68
Examined new patients on wards	709
Re-examined patients on wards	397
Total number of office visits	2036
Lectures	6 hrs.

ENTERTAINMENTS

Dances have been held each week during the winter months, the music being furnished by the hospital orchestra. The usual motion picture entertainments have been provided for the pleasure of the patients. A special Field Day, with games and races was held on July 4th, and was greatly enjoyed by all in attendance. The usual baseball games were held during the summer season and much enthusiasm was seen at the exchange games played with Westboro and Worcester State Hospitals. During the Christmas season a special program of activities was arranged for the enjoyment of both patients and employees. Besides special

dances that were held for employees during the year many organizations have provided special entertainments from time to time for not only the ex-service men but other inmates as well.

PSYCHIATRIC CLINICS

The usual clinics for patients who have left the hospital on visit have been carried on each week at Gloucester, Haverhill, Lawrence, Salem, Newburyport, Lynn and Malden. The attendance at the clinics has materially increased and it is gratifying to know that physicians in these communities are gradually availing themselves of the privilege of referring cases.

TRAVELING SCHOOL CLINIC

These clinics have grown to a considerable degree under the direction of Dr. Edgar C. Yerbury. The large number of cases examined has kept both a psychologist and social worker busy most of the time. It is gratifying to learn that the superintendents of schools are gradually beginning to learn the tremendous value attached to such examinations and referring many problem cases as well as the three-year retarded children.

ADULT MENTAL HYGIENE CLINIC

In October 1929 a Mental Hygiene Clinic for Adults was organized with the co-operation of the Lynn Hospital. Since its organization the clinic has been exceedingly busy on each Wednesday afternoon and it is felt that it is greatly appreciated by the number of new cases seeking advice.

CHILD GUIDANCE CLINIC

For the past year this clinic has continued to operate very successfully. Because of the co-operation of the various agencies in Lynn and its adjacent towns many more cases have been referred and treated. While the mental hygiene movement is rapidly growing the study of human behavior is not complete without better understanding of the child. During the past year new quarters have been procured at the School Administration Building, where the clinic has been operating since September.

The hospital has continued its practice of providing lectures and clinics throughout the year and is gradually becoming a greater assistance in this specialized work.

LABORATORY SERVICE

This service has been carried on actively throughout the year despite the fact that we have been without a technician for several months. We wish to thank Dr. Marjorie Fulstow for her continued assistance and co-operation during the year.

A tabulated report of the year's work is submitted:

Autopsies	31
Basal metabolisms	16
Blood counts	796
Smears, bacterial	75
Spinal fluids (mastic)	130
Sputum examinations	21
Urinalysis	1,764

ENGINEER'S REPORT

Principal work done during 1929, exclusive of regular maintenance:

Installed underground line, return line, power cable, light cable and telephone duct between the service building and the barn. Branches from these mains were run under ground to cottage No. 4, to the ox barn and to the gas house. Light cable was installed underground from the gas house to cottage No. 6. These changes provide reliable steam, electric, and telephone service to the points connected and will allow the removal of unsightly pole lines.

The major project for the year was the changing of our main water line connections, main steam line connections, building of a new pump house and the moving of fire pump, vacuum pumps, and service water pumps to the new pump

house. The new steam lines installed were joined by electric arc welding and long radius bends were used to make the lines flexible and take expansion. This method of steam pipe fabrication is according to the best practice of today. A new service water heater was also installed, it being the first step in a plan for the installation of a circulating system for the hot water throughout the main group.

The fitting out of our new stock room was completed. Steel shelving, pipe rack, iron rack, and barrel racks were installed. The last three mentioned items were constructed by our own mechanics from salvaged materials. Oxy-acetyline welding played an important part in this work.

CONSTRUCTION REPORT

Carpenters: Middleton Colony, covering of walls and ceilings with sheet rock, about 55,000 feet; new paint shop, wire lathing and inside equipment; making of 210 chairs at Carpenter Shop; new elevators, cutting, staging and finishing of woodwork and metals, wards "A" and "J"; taking out of old iron water tanks in attic in center building; making of tables, benches and fitting up inside of Industrial building; making of large folding dining table, front center; laying of new hardwood floor in Laundry; repairs on chairs, tables, settees, that had collected at old Industrial Shop; repairs on blinds, doors, etc., at Cottage No. 1; repairs on doors and runways at Piggery and Slaughter house; General repairs on wards of main building; repairs on old screens and making of new ones for main building; making of five stone drags for farm; making of bushel boxes for farm; fitting up the Arts and Crafts shop with tables, boxes and shelves; making of forms and stagings at new paint shop; making suite of rooms, Dr. Kent's laboratory, in rear center; general repairs on brooder houses for chickens; moving of hardware and supplies to new stock room; repairs on doors, stalls, etc., at Barn; repairs on carts, sleds, wagons and farm machinery at Shop; changing over the old blacksmith shop for electricians and plumbers; making over two washing machines at Laundry; eight fire exits equipped with doors and steps, etc., at the Middleton Colony; Field pipe lines and forms for cistern at Middleton Colony; building of twelve pig houses at piggery; new floors in all hog pens at piggery; general repairs on side hill summer house; staging of chimneys for brick repairs at main building; shingling of roof at piggery; remodeling old gas house; setting of batter lines for sewer digging; resurfacing of all paper roofs; making of feed troughs at barn; cement forms for steam tunnel, old boiler house; making of portable tables for chapel, at the shop; forms for building new head house pump room; repairs to roof injured in blasting, cottage No. 7; enlarging building for dining room at Grove Hall; new office for Assistant Superintendent, front center.

Painters: 2,303 lights of glass set during the year; painting rooms and corridors at nurses' Home; floors at Industrial Building; rooms in rear center; chapel corridors, front center; all wards and rooms at Middleton Colony; walls, door, and shafts of "A" and "J" elevators; ward beds, stand, etc., at shop; sunparlors wards A-1, B-1, C-1, 2, 3, and I-1, 3; corridors and stairways, first floor, male wards; corridors and stairways, first floor, female wards; suite of rooms, Dr. Kent's laboratory, rear Center; racks, tables, shelves, etc., mechanical building; scullery, front center; office at Carpenter shop; rooms and wards at main building; plumbers and electricians shop at industrial building; screens at main building, barn and cottages; fence at salvage yard; two cow barns painted inside; suite of rooms for cook at Grove Hall; kitchen cottage No. 3; kitchens, cottage No. 5 and 5B; roofs and woodwork, new dining room, Grove Hall; outside woodwork at Gas House; painting and papering inside at Cottage No. 1; finishing of chairs, tables, settees, etc., at shop; refinishing of furniture at Nurses' Home.

Masons: Building of brick elevator wells, wards "A" and "J"; laying of brick veneering at new paint shop; general repairs on bakery oven; lining of ranges at kitchens and cottages; patching and plastering at main building; inside plastering at new paint shop; plastering elevator shafts wards "A" and "J"; brick partition and plastering at Old blacksmith shop; laying cement floor and cement steps at New Paint Shop; repairs on catch basins and sewer lines; cutting for cold storage refrigerators, floors and plastering, on ward "A" and "J"; retopping of chimneys

In closing I wish to express my appreciation and thanks to all members of the Medical and Hospital Staff for their help and cooperation during the past year.

Respectfully submitted,

OLIVE F. ESTEY, R.N.,

Principal of the School of Nursing.

SOCIAL SERVICE REPORT

To the Superintendent:

I herewith submit the annual report of the Social Service Department for the year December 1, 1928 to November 30, 1929:

Until the last of May we had two students from the Smith College School for Social Work, Miss Agnes McCreery and Miss Evelyn Rodee. They contributed much to the work of the hospital and received training in psychiatric social work.

Miss Miriam Collier, an under-graduate student at Radcliffe College, was here for two months during the summer as student in our department.

This fall we have again two students from Smith, Miss Hilma Peterson, a graduate of Smith College, and Miss Arlene Robbins, a graduate of the University of Maine.

The Social Service Department is taking practically all the medical histories for the staff. This, added to the increased number of school clinic histories, and the addition of the Adult Mental Hygiene Clinic in Lynn, increases our work tremendously. We should have another well-trained psychiatric social worker to relieve some of the pressure of work. Our relationships both inside the hospital and in the community are most cordial and for this good feeling we are grateful to the Superintendent.

SOCIAL SERVICE STATISTICS

December 1, 1927 to November 30, 1929

	Males	Females	Total
I. Numerical Summary of Cases:			
New cases	525	424	949
Renewed cases from previous years	31	25	56
Renewed cases within the year	10	11	21
Continued cases from previous year	200	288	488
Total	766	748	1,514
II. Sources of New Cases:			
Cases referred by Physicians, 727			
Cases referred by Community Agencies, 104.			
Cases referred by Friends or relatives, 11.			
Cases referred by Initiative of Patients, 17.			
Cases selected by Social Service, 22.			
III. Analysis of Work:			
1. Purposes for which cases were referred:			
(a) Histories of Patients: — taken at hospital, 456; outside hospital, 258			
(b) Investigation: — Conduct disorders, 50; employment situations, 37; home conditions, 103; statement of patients, 35; statements of others, 45.			
(c) Supervision: — In home, 185; in industry, 6; in community, 36.			
(d) Care of patients' families, 20;			
(e) Personal services, 3.			
(f) Placement, 4.			
2. Problems:			
Location of patients, 2 (Examination of children at camp, 3.)			
Location of relatives, 2 (History and investigation of man under indictment, 1; Permission for patient to leave hospital, 1.)			
(a) Disease: — Mental, 6; physical 3.			

- (b) Sex problems: — Prostitution; promiscuity, 4, wayward tendencies.
- (c) Environment: — 1. Financial difficulties, 11; 2. Employment difficulties, 18; 3. Unsuitable surroundings, 3; 4. Friction, family, 7; others, 3; 5. Marital difficulties, 6.
- (d) Personality problems: — 1. Temperament, 13; 2. Anti-social habits, 3; 3. Vacillating interests, 0.
- (e) Educational problems: — 1. Readjustment habits of mind 4; 2. Recreation, church, social relationships, 6.
- (f) Legal problems: — 1. Concerning property or support, 3; 2. Resulting from conduct of patient, 1; 3. Resulting from conduct of others, 1.
- (g) General problems: —

IV. Service Rendered:

1. Medical:

- (a) Contribution of information re: Medical history, 662.
- (b) Contribution of information re: Home conditions, 104.
- (c) Contribution of information re: Condition of Out-patients, 169.
- (d) Contribution of arrangement for medical assistance, 3.

2. Social:

- (a) Adjustments for patients: — Environment, 13; personal relations, 5
- (b) Adjustments for patients in industry, 3.
- (c) Adjustments for patients in recreation, 5.
- (d) Advice: — To relatives, 33; to patients, 25; to others, 9.
- (e) Connecting with agencies, 31; with individuals, 3.
- (f) Family assistance: — Legal, 4; financial, 2; miscellaneous.
- (g) Arrangements for further study or training, 0.
- (h) Personal Services: — Placement work, home, 21; industry, 5.

V. Supervision Work:

- 1. Visits: — To patients on ward, 207; To Patients on visit, 93; to relatives or friends, 215; to social agencies, 106; to others, 110.
Number patients in care of other agencies, 13.
- 2. Family Care Patients:
 - (a) Number of patients visited, 68. (b) Number of patients placed, 5;
 - (c) Number of patients replaced, 1; (d) Number of patients returned, 5; (e) Number of patients discharged, 0; (f) Number boarding homes investigated, 6.

VI. Clinic Work:

- 1. Hospital clinics: — Number clinics attended, 52; interviews with patients, 178; interviews with relatives, 120; social cases selected, 20.
- 2. School clinics: — Number attended, 18; histories, 191.
- 3. Community clinics: — Number attended, 43; interviews with others, 10; number of cases referred to local agencies, 3.

VII. Miscellaneous:

- 1. Account of time: — Number of days in hospital, 472; outside hospital, 731; spent in school clinic work, 64; spent in community clinic work, 227 days, 50 evenings.

Special Features:

Lectures, 7; Conferences attended, 6; Special studies, Ortho-psychiatric conference, N. Y.; Visits to other institutions, Child Guidance, N. Y.; Seminars, 3; Mental Hygiene conference, State House; 10 Lectures to nurses; Massachusetts conference, Social Workers; Psychopathic, O.P.D. Medfield State Hospital; Sherborn Reformatory; Smith College School for Social Workers.

REPORT OF THE LYNN CHILD GUIDANCE CLINIC

December 1, 1928 to November 30, 1929

One hundred twelve children made 443 visits to the clinic. Of these 79 were new cases, 54 boys and 25 girls. There were 33 old cases, 23 boys and 10 girls.

Agencies referring children to the Clinic: — Parents or other relatives; parents

of other clinic children.

Schools: — Principals and teachers; psychologist; visiting teacher; nurse; census and attendance department.

Hospitals: — Massachusetts General Hospital; Children's Hospital; Lynn Hospital Out-patient Department — children's clinic, mental hygiene clinic; private physicians; district nurse.

Social agencies: — Associated charities; Catholic charities center; Child Welfare House; Massachusetts S. P. C. C.; American Red Cross; State Department of Public Welfare; U. S. Veterans Bureau, summer camps.

According to psychometric tests 27 children were of average intelligence, 15 of advanced intelligence, 14 of low normal, and 10 of subnormal intelligence. 6 were definitely mentally defective and it was impossible to give a rating to 6 others because of deafness, distractibility, inability to read, poor coordination, or speech defect.

In the families of these children were found many social problems which it would seem could not help affecting the mental health of the children.

Broken homes: — Father in one case is a suicide, the mother working all day in a store and until late in the evening. Patient, a boy of 11, is under the authority of his older brother.

Father and mother separated or divorced; in one family mother deserted when patient was three months old.

Father deserted, mother immoral.

Father insane, mother unstable.

Father and mother separated eleven times. When together there was friction, nagging, sarcasm, alcoholism.

Illegitimacy. Whereabouts of parents unknown.

Court record of one or both parents. One father had had fifteen records and at the time patient came to clinic was then in jail.

Frequent placements in foster-homes. One child had been in seven foster-homes in five years.

Inadequate supervision: — The mothers of two children were at home but were both insane. An insane aunt in the home of one child. Father neurasthenic. Parents too old to understand the child's needs.

In six cases the father's work took him away from home a great deal of the time.

In one case the mother was too busy with the care of younger children to give much attention to the patient.

Religion: — Religious differences between the parents. Utter indifference to religion. No affiliation with any church. No religious training.

Friction in the home: — Discipline not enforced. Interference in discipline and training, usually on the part of relatives. Dislike on the part of stepmother of the children of the father's previous marriage. Oversolicitude on the part of one or both parents. This usually occurs when the patient is an only child. Low income, crowded homes, language difficulty.

The children themselves presented many problems:

Relationship with other children: — Regarded by other children as queer. Few friends. Bad companions. Cannot get along with other children. Game spoiler.

Overactivity: — Restlessness. Inability to concentrate. Inattention. Fidgetiness.

Fear: — Of children his own age. Of new situations. Of the dark.

Emotional States: — Morbid following the death of his brother. Worrying. Shy. Excitable. Irritable. Cry baby. Unresponsive. Stubborn. Sullen. Cruel. Irresponsible. Negativistic. Don't-care attitude. Indifference. Cowardliness. Unhappiness.

Lack of training as shown in: — Destructiveness. Lying. Disobedience. Ungovernable temper. Temper tantrums. Tyrannical. Insolent, defiant, wilful. Resentful of authority.

Withdrawal: — Day dreaming. Asocial.

Conduct changes following an accident: — Running away. Deceitfulness. Forgetfulness.

Sex: — Precocious sexual development. Over-interest in men. Exhibitionism

in school.

Problems of habit training:— Eneuresis, nocturnal and diurnal. Soiling as well as wetting. Nail biting. Thumb sucking. Disturbed sleep. Autoeroticism.

Delinquencies:— Stealing. Setting fires. One had a long list of offences. Two had been in court, one for breaking and entering, one for larceny.

Physical Problems:— Diabetes. Spastic paralysis. Poor motor coordination. Deafness. Pin worms. A series of many illnesses. Post encephalitis. Tuberculosis. Chorea. Asthma. Pustular eczema. Epilepsy.

Speech Problems:— Stuttering. Stammering. Lispering. Delayed speech. Inability to articulate. Poor reading ability.

School Problems:— Truancy. Mischievousness. Inattention. Retardation. Failure. Disciplinary problem. Non-conformity to school routine. Refusal to attend school. Disturbing the class.

Respectfully submitted,

MARY H. HOLLAND,

Head Social Worker.

MENTAL HYGIENE CLINIC

Thru the courtesy of the Lynn Hospital a Nerve Clinic was established on October 9, 1929. The clinic meets on Wednesdays from 2 to 4 p.m. The purpose of the clinic is to enable people in the community, who cannot afford the service of a psychiatrist, to have expert advice in their mental problems. It is hoped that the clinic may not only treat individuals suffering from neuroses but help in the prevention of psychoses. The patients are referred by physicians, social agencies, Lynn Hospital Out-Patient Department, and by the patients themselves.

The Staff consists of Dr. E. C. Yerbury, and Dr. Salomon Gagnon, psychiatrists, Dr. Grace H. Kent, psychologist, and Miss Pearl E. Hartshorn, social worker. One of the students of the Smith College School for Social Work has been assisting in the social work.

In the two months that the clinic has been operating, twenty-seven patients have come for advice. The average number of patients present at the clinic each week is eight. One case was referred to the Child Guidance Clinic, and in two cases commitment to a mental hospital was recommended.

The diagnosis which has been definitely determined are:

Psychoneuroses — Neurasthenic type, 3; psychasthenic type, 4; hysterical type, 1; arteriosclerosis, 4; Parkinsonian syndrome, 2; Manic-depressive — depressed type, 2; hypertension, 1; dementia praecox, 1; involution melancholia, 1; tabes, 1; Sydenham's chorea, 1; mental deficiency, 1; paranoid state, 1.

In three cases the diagnosis has not been determined.

Common social problems in these patients are lack of social activities, economic stress, and uncongenial home atmosphere. The unwholesome attitude of the mother of one young girl was felt to be a contributory factor in her phobias. The reproachful and nagging attitude of a wife toward her syphilitic husband was thought to be aggravating his condition.

In the short time that the clinic has been functioning, no outstanding improvements in patients have been noted. However, one depressed woman has responded to the psychotherapy by developing insight and becoming less self-centered. In a few cases of arteriosclerosis the nervous manifestations have been lessened in response to treatment.

Respectfully submitted,

PEARL E. HARTSHORN,

Social Worker.

PSYCHOLOGICAL REPORT

To the Superintendent:

I have the honor to present the following annual report of the Psychological Department, for the fiscal year ending November 30th, 1929.

During this year there has been at least one assistant on duty in the department. Dr. E. Frances Wells was with us from December to June, and Miss Katherine Simpson came in July. Miss Mary Booth was with us during the summer as student assistant, and Miss Joanna Hagg was here for the last two months of the year.

In April we moved into the suite of rooms that had been prepared for the department. In addition to two examining rooms this suite includes two large closets and a workshop. Many simple pieces of testing apparatus used in examination of patients have been made by us in this shop.

All newly admitted patients are referred to us for such psychometric study as seems possible and appropriate. It is our custom to examine, as a routine measure, all patients under sixty who are in condition to be brought to the office. Many others are visited in the wards for a less formal interview. The nature of our examination varies widely, according to the urgency of the case. Special attention is given to the younger patients. During this year 411 patients were given a routine psychometric test. 222 of these were men, and 189 were women.

Twenty-six patients were studied very intensively, for some special purpose. Most of these patients were interviewed several times, and no effort was spared to make the study as complete as possible.

Forty-nine additional patients, all diagnosed as cases of manic-depressive psychosis, have been studied for purposes of research. Some of these patients had left the hospital before the project was undertaken, and whenever possible these patients have been interviewed at the after-care clinics. The studies of this special group include many interviews with relatives and friends, usually on Sunday. Incidentally, these observations have afforded exceptional opportunity for psychotherapeutic treatment, for gaining the co-operation of the families, and for helping patients to come to a better understanding with their friends.

Our department has frequently been called upon to assist with the psychometric work of the outside clinics, especially in emergencies.

The standardization of nine tests intended especially for examination of State hospital patients was undertaken in November of last year, and was brought to completion in February, 1929. These tests have been found outstandingly serviceable in this hospital, and the norms have been given out privately to a few workers in other institutions. Owing to the pressure of routine duties, only two of these tests have been prepared for publication. The paper describing the two tests *Story Completion Tests*, by Kent and Wells, has been accepted by the *Journal of Educational Psychology*. Two other minor studies, both on psychometrics, have been offered for publication in the *Bulletin*.

A few lectures on psychology have been given for the benefit of social workers and nurses. It is impossible, with our present library facilities, to make this instruction very valuable. The most important formal lectures of the year were given by Dr. Wells, who brought her own library here. During the latter part of the year an informal seminar has been conducted for the students of the social service department.

Respectfully submitted,
GRACE H. KENT

VALUATION	
November 30, 1929	
REAL ESTATE	
Land, 517 acres	\$89,640.00
Buildings	2,595,582.53
	\$2,685,222.53
PERSONAL PROPERTY	
Travel, transportation and office expenses	\$3,790.51
Food	13,215.40
Clothing and materials	26,912.76
Furnishings and household supplies	123,439.00
Medical and general care	21,153.04
Heat, light and power	3,344.60
Farm	83,504.78
Garage, stables and grounds	10,375.22
Repairs	3,555.75
	\$289,291.06
SUMMARY	
Real estate	\$2,685,222.53
Personal property	289,291.06
	\$2,974,513.59

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1929.

CASH ACCOUNT	
<i>Income</i>	<i>Receipts</i>
Board of Patients	\$139,587.69
	<hr/> \$139,587.69
Personal Services:	
Reimbursement from Board of Retirement	255.70
Sales:	
Food	686.90
Clothing and materials	403.91
Furnishings and household supplies	228.60
Medical and general care	86.15
Heat, light and power	156.07
Farm:	
Cows and calves	417.00
Pigs and hogs	30.77
Hides	115.56
Ice	25.00
Wood	258.00
Sundries	205.00
Garage, stable and grounds	135.86
Repairs, ordinary	875.20
Total sales	<hr/> \$3,624.02
Miscellaneous:	
Interest on bank balances	\$199.59
Rent	390.00
	<hr/> 589.59
Total Income	\$144,057.00

MAINTENANCE	
Balance from previous year, brought forward	\$24,233.78
Appropriations, current year	729,700.00
Total	<hr/> \$753,933.78
Expenses (as analyzed below)	725,315.75
Balance reverting to Treasury of Commonwealth	<hr/> \$28,618.03

<i>Analysis of Expenses</i>	
Personal Services	\$338,359.73
Religious instruction	2,041.47
Travel, transportation and office expenses	6,762.35
Food	137,935.99
Clothing and materials	23,811.78
Furnishings and household supplies	43,856.26
Medical and general care	35,495.83
Heat, light and power	62,307.03
Farm	34,323.18
Garage, stable and grounds	6,536.58
Repairs, ordinary	21,931.57
Repairs and renewals	11,953.98
Total expenses for Maintenance	<hr/> \$725,315.75

SPECIAL APPROPRIATIONS	
Balance December 1, 1928	\$161,122.97
Appropriations for current year	74,000.00
Total	<hr/> \$235,122.97
Expended during the year (see statement below)	\$126,462.28
Reverting to Treasury of Commonwealth	2,028.30
	<hr/> 128,490.58
Balance November 30, 1929, carried to next year	\$106,632.39

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Space for Industries.	138-1927	\$16,000.00	\$1,118.97	\$15,992.70	\$7.30*
Male Attendants' Home	138-1927	65,000.00	2,950.25	64,998.05	1.95*
Renovating Plumbing	138-1927	6,000.00	1,090.77	5,975.25	24.75*
Plumbing Middleton	138-1927	3,000.00	—	1,008.33	1,991.67*
Improvements Coal trestle	138-1927	2,000.00	—	1,997.37	2.63*
Nurses' Home	127-1928	143,000.00	76,765.69	76,821.49	66,178.51
Furnishings Male Attendants Home	127-1928	4,700.00	977.33	4,676.55	23.45
Replacing Certain Elevators	127-1928	12,400.00	9,719.41	12,129.71	270.29
Sewage Disposal	146-1929	20,000.00	8,737.67	8,737.67	11,262.33
Remodeling Gas House and Grove Hall	146-1929	37,000.00	9,717.64	9,717.64	27,282.36
Power House and Steam Mains	146-1929	17,000.00	15,384.55	15,384.55	1,615.45
		\$326,100.00	\$126,462.28	\$217,439.31	\$108,660.69

Balance reverting to Treasury of the Commonwealth during year (mark item with *) \$2,028.30

Balance carried to next year 106,632.39

Total as above \$108,660.69

PER CAPITA

During the year the average number of inmates has been 1,912.8.

Total cost for maintenance, \$725,315.75.

Equal to a weekly per capita cost of \$7.2921 (52 weeks to year)

Receipts from sales, \$3,624.02.

Equal to a weekly per capita of \$.0363.

All other institution receipts, \$140,432.98.

Equal to a weekly per capita of \$1.4080.

Net weekly per capita \$5.8438.

Respectfully submitted,

GLADYS E. LEACH, *Treasurer*

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION
PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

Data correct at end of hospital year November 30, 1929

1. Date of opening as a hospital for mental diseases, May 13, 1878									
2. Type of hospital: State.									
3. Hospital plant:									
Value of hospital property:									
Real estate, including buildings									\$2,685,222.53
Personal property									289,291.06
Total									\$2,974,513.59
Total acreage of hospital property owned, 517.									
Additional acreage rented, 150.									
Total acreage under cultivation during previous year, 347.									
4. Officers and employees November 30, 1929:									
	Actually in Service at End of Year			Vacancies at End of Year					
	M.	F.	T.	M.	F.	T.			
Superintendents	1	—	1	—	—	—			
Assistant physicians	6	2	8	3	—	3			
Total physicians	7	2	9	3	—	3			
Stewards	1	—	1	—	—	—			
Resident dentists	1	—	1	—	—	—			
Pharmacists	1	—	1	—	—	—			
Graduate nurses	—	13	13	—	2	2			
Other nurses and attendants	82	110	192	5	20	25			
Occupational therapists	1	6	7	—	—	—			
Social workers	—	3	3	—	—	—			
All other officers and employees	78	50	128	—	5	5			
Total officers and employees	164	182	346	5	27	32			
NOTE:— The following items, 5 to 9, inclusive, are for the year ended September 30, 1929.									
5. Census of patient population at end of year:									
	Actually in Hospital			Absent from Hospital but Still on Books					
	M.	F.	T.	M.	F.	T.			
White:									
Insane	860	1061	1921	118	158	276			
Mental defectives	6	3	9	—	—	—			
All other cases	2	1	3	1	—	1			
Total	868	1065	1933	119	158	277			
Other Races:									
Insane	12	6	18	—	1	1			
Total	12	6	18	—	1	1			
Grand Total	880	1071	1951	119	159	278			
				Males	Females	Total			
6. Patients under treatment in occupational-therapy classes, including physical training, on date of report				45	145	190			
7. Other patients employed in general work of hospital on date of report				548	490	1038			
8. Average daily number of all patients actually in hospital during year				851.8	1061	1912.8			
9. Persons given advice or treatment in out-patient clinics during year				105	114	219			

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table.

NOTE:— The following tables 3-19, inclusive, are for the statistical year ended September 30, 1929

TABLE 3. *Movement of Patient Population*

	INSANE			TEMPORARY CARE AND OBSERVATION			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of Institution September 30, 1928	970	1,186	2,156				981	1,189	2,170
Admissions during year:									
First admissions	231	221	452	11	3	14			
Readmissions	63	54	117	65	31	96	296	252	548
Transfers from other hospitals for mental diseases	14	14	28	17	6	23	80	60	140
Total received during year	308	289	597	—	—	—	14	14	28
Total on books during year	1,278	1,475	2,753	82	37	119	390	326	716
Discharged from books during year:				93	40	133	1,371	1,515	2,886
As recovered	1	1	2	19	5	24	20	6	26
As improved	109	87	196	3	2	5	112	89	201
As unimproved	13	8	21	2	3	5	15	11	26
As without psychosis	1	2	3	51	20	71	52	22	74
Transferred to other hospitals for mental diseases	40	20	60	—	—	—	40	20	60
Died during year	125	130	255	8	7	15	133	137	270
Total discharged, transferred and died during year	289	248	537	83	37	120	372	285	657
Insane patients remaining on books of hospital at end of hospital year.*									
In hospital	872	1,069	1,941	8	2	10	880	1,071	1,951
On parole or otherwise absent	119	159	278	—	—	—	119	159	278
Total on Books September 30, 1929	991	1,228	2,219	8	2	10	999	1,230	2,229

*Owing to a change of criteria, to prevent the counting of one patient twice on successive statistical years, the totals in the Insane and Temporary Care columns will not balance for the statistical year 1929, but will balance in future years.

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States	123	136	259	64	72	59	73	77	64
Canada ¹	32	26	58	44	38	35	38	38	30
Denmark	1	—	1	2	2	1	1	—	—
England	11	7	18	17	15	12	14	12	10
Finland	1	1	2	2	1	1	2	2	2
Germany	3	1	4	3	4	3	3	2	2
Greece	3	3	6	4	4	4	3	3	3
Ireland	13	16	29	30	30	26	41	41	34
Italy	16	7	23	19	19	19	8	8	8
Poland	3	4	7	5	6	5	6	6	6
Portugal	1	1	2	2	1	1	1	1	1
Roumania	2	—	2	2	2	2	—	—	—
Russia	9	9	18	12	11	11	9	9	9
Scotland	2	3	5	2	2	2	3	6	3
Sweden	3	3	6	4	4	4	5	5	5
Turkey in Asia	1	—	1	1	1	1	—	—	—
Turkey in Europe	2	—	2	2	2	2	—	—	—
Wales	—	—	—	1	—	—	—	—	—
Other countries	2	2	4	3	3	3	2	2	2
Unascertained	3	2	5	12	14	11	11	9	8
Total	231	221	452	231	231	202	221	221	187

¹Includes Newfoundland

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	123	136	259
Citizens by naturalization	44	31	75
Aliens	38	37	75
Citizenship unascertained	26	17	43
Total	231	221	452

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses				2	—	2
2. Senile psychoses				14	23	37
3. Psychoses with cerebral arteriosclerosis				53	53	106
4. General paralysis				22	7	29
5. Psychoses with cerebral syphilis				6	—	6
6. Psychoses with Huntington's chorea				—	—	—
7. Psychoses with brain tumor				—	1	1
8. Psychoses with other brain or nervous diseases, total ¹				4	3	7
Cerebral embolism	—	1	1			
Other diseases	4	2	6			
9. Alcoholic psychoses, total				30	1	31
Delirium tremens	2	—	2			
Korsakow's psychosis	2	—	2			
Acute hallucinosis	14	—	14			
Other types, acute or chronic	12	1	13			
10. Psychoses due to drugs and other exogenous toxins, total				1	1	2
Other exogenous toxins	1	1	2			
11. Psychoses with pellagra				—	—	—
12. Psychoses with other somatic diseases, total				2	3	5
Exhaustion delirium	1	1	2			
Other diseases or conditions	1	2	3			
13. Manic-depressive psychoses, total				15	29	44
Manic type	5	16	21			
Depressive type	10	9	19			
Other types	—	4	4			
14. Involution melancholia				5	14	19
15. Dementia praecox (schizophrenia)				58	53	111
16. Paranoia and paranoid conditions				3	5	8
17. Epileptic psychoses				1	3	4
18. Psychoneuroses and neuroses, total				2	5	7
Hysterical type	—	1	1			
Psychasthenic type (anxiety and obsessive forms)	—	2	2			
Neurasthenic type	2	1	3			
Other types	—	1	1			
19. Psychoses with psychopathic personality				5	—	5
20. Psychoses with mental deficiency				8	18	26
21. Undiagnosed psychoses				—	—	—
22. Without psychosis, total				—	2	2
Others	—	2	2			
Total				231	221	452

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Traumatic			Senile			With cerebral arterio-sclerosis			General paralysis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	3	4	7	-	-	-	-	-	-	-	1	1	1	-	1
Armenian	4	-	4	-	-	-	-	-	-	1	-	1	2	-	2
English	55	66	121	1	-	1	10	6	16	19	23	42	4	1	5
Finnish	2	1	3	-	-	-	-	1	1	-	-	-	-	-	-
French	19	18	37	-	-	-	1	2	3	4	3	7	1	1	2
German	5	1	6	-	-	-	-	-	-	2	-	2	2	-	2
Greek	4	3	7	-	-	-	-	-	-	-	1	1	-	-	-
Hebrew	10	7	17	-	-	-	-	1	1	1	-	1	1	-	1
Irish	43	47	90	-	-	-	1	5	6	11	11	22	2	1	3
Italian ¹	19	8	27	-	-	-	-	1	1	1	1	2	3	-	3
Lithuanian	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	4	5	9	-	-	-	-	-	-	1	2	3	1	-	1
Scotch	7	4	11	-	-	-	1	-	1	3	-	3	-	1	1
Slavonic ³	8	8	16	-	-	-	-	1	1	-	-	-	1	-	1
Syrian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	2	-	2	-	-	-	-	-	-	1	-	1	1	-	1
Other specific races	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	33	40	73	-	-	-	1	4	5	7	11	18	2	3	5
Race unascertained	7	5	12	1	-	1	-	2	2	2	-	2	1	-	1
Total	231	221	452	2	-	2	14	23	37	53	53	106	22	7	29

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With cerebral syphilis			With brain tumor			With other brain or nervous diseases			Alcoholic			Due to drugs and other exogenous toxins		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
English	2	-	2	-	-	-	-	-	-	1	-	1	-	1	1
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
German	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	-	-	-	-	-	-	-	2	2	7	-	7	-	-	-
Italian ¹	1	-	1	-	-	-	-	-	-	3	-	3	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	2	1	3	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	1	-	1	6	-	6	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Mixed	1	-	1	-	1	1	3	1	4	3	-	3	1	-	1
Race unascertained	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Total	6	-	6	-	1	1	4	3	7	30	1	31	1	1	2

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With other somatic diseases			Manic- depressive			Involution melancholia			Dementia praecox			Paranoia and paranoid conditions		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	1	1	6	7	13	1	7	8	6	11	17	-	1	1
Finish	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
French	-	-	-	2	2	4	1	-	1	6	9	15	-	-	-
German	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Greek	-	-	-	1	1	2	-	-	-	1	1	2	-	-	-
Hebrew	-	1	1	1	3	4	1	-	1	5	2	7	1	-	1
Irish	-	-	-	2	6	8	-	3	3	17	8	25	-	2	2
Italian ¹	-	-	-	2	1	3	-	2	2	9	2	11	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Scandinavian ²	-	-	-	-	2	2	1	-	1	1	1	2	-	-	-
Scotch	1	-	1	1	-	1	-	-	-	-	1	1	-	1	1
Slavonic ³	-	1	1	-	1	1	-	1	1	-	3	3	-	1	1
Syrian	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Mixed	1	-	1	-	5	5	-	1	1	8	8	16	2	-	2
Race unascertained	-	-	-	-	1	1	-	-	-	2	1	3	-	-	-
Total	2	3	5	15	29	44	5	14	19	58	53	111	3	5	8

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

RACE	Epileptic psychoses			Psycho- neuroses and neuroses			With psycho- pathic personality			With mental deficiency			Without psychosis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	1	1	3	-	3	2	6	8	-	1	1
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	-	-	-	-	1	1	1	-	1	1	-	1	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	1	-	1	-	-	-	1	-	1	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	1	2	3	-	1	1	-	-	-	2	6	8	-	-	-
Italian ¹	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Slavonic ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	1	1	2	1	-	1	2	4	6	-	1	1
Race unascertained	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Total	1	3	4	2	5	7	5	-	5	8	18	26	-	2	2

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. Age of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	14	23	37	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	53	53	106	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	22	7	29	-	-	-	-	-	-	-	-	-	1	-	1
5. With cerebral syphilis	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	4	3	7	-	-	-	-	-	-	1	-	1	-	1	1
9. Alcoholic	30	1	31	-	-	-	1	-	1	-	-	-	2	-	2
10. Due to drugs and other exogenous toxins	1	1	2	-	-	-	-	-	-	-	-	-	-	1	1
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	2	3	5	-	-	-	-	-	-	1	-	1	-	2	2
13. Manic-depressive	15	29	44	-	-	-	1	2	3	1	2	3	1	2	3
14. Involution melancholia	5	14	19	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	58	53	111	-	-	-	6	1	7	15	5	20	13	11	24
16. Paranoia and paranoid conditions	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	1	3	4	-	-	-	-	-	-	-	-	-	1	1	2
18. Psychoneuroses and neuroses	2	5	7	-	-	-	-	1	1	-	1	1	-	1	1
19. With psychopathic personality	5	-	5	1	-	1	1	-	1	1	-	1	1	-	1
20. With mental deficiency	8	18	26	-	-	-	2	1	3	1	3	4	1	2	3
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	2	2	-	-	-	-	-	-	-	-	-	-	1	1
Total	231	221	452	1	-	1	11	5	16	20	11	31	20	22	42

TABLE 8. Age of First Admissions Classified with Reference to Principal Psychoses — Continued.

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
2. Senile	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	1	-	1	3	3	6
4. General paralysis	2	1	3	-	2	2	5	2	7	3	1	4	4	-	4
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	1	-	1	-	-	-	1	-	1	-	1	1
9. Alcoholic	3	-	3	5	-	5	4	-	4	5	1	6	4	-	4
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1
13. Manic-depressive	-	2	2	3	5	8	2	3	5	-	4	4	3	6	9
14. Involution melancholia	-	-	-	1	2	3	-	2	2	-	6	6	1	2	3
15. Dementia praecox	6	7	13	4	10	14	9	10	19	-	4	4	4	3	7
16. Paranoia and paranoid conditions	-	-	-	-	1	1	1	1	2	-	1	1	1	-	1
17. Epileptic psychoses	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-
18. Psychoneuroses and neuroses	-	1	1	1	1	2	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	2	3	5	-	2	2	1	2	3	-	4	4	1	-	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	14	14	28	15	23	38	22	22	44	13	22	35	21	16	37

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

PSYCHOSES	55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	1	—	1	—	—	—
2. Senile	2	4	6	—	2	2	—	1	1	12	15	27
3. With cerebral arteriosclerosis	4	1	5	9	9	18	8	11	19	28	29	57
4. General paralysis	4	—	4	1	1	2	2	—	2	—	—	—
5. With cerebral syphilis	2	—	2	1	—	1	2	—	2	1	—	1
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	1	2	—	—	—	—	—	—	—	—	—
9. Alcoholic	5	—	5	—	—	—	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	2	1	3	1	1	2	1	1	2	—	—	—
14. Involution melancholia	2	2	4	1	—	1	—	—	—	—	—	—
15. Dementia praecox	1	1	2	—	1	1	—	—	—	—	—	—
16. Paranoia and paranoid conditions	1	1	2	—	1	1	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	—	1	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	—	—	—	—	—	—	—	1	1	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	1	1
Total	25	12	37	13	15	28	15	14	29	41	45	86

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Illiterate		Reads and writes*		Common School		High School		College		Unascertained	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	37	2	1	5	6	1	1	1	1	1	1	1	1	1
2. Senile	14	23	37	3	4	7	6	9	14	2	3	1	1	5	6
3. With cerebral arteriosclerosis	53	53	106	2	2	4	11	28	58	6	8	2	2	2	7
4. General paralysis	22	7	29	2	2	3	4	8	14	3	3	1	1	4	1
5. With cerebral syphilis	6	—	6	—	—	—	—	—	—	—	—	—	—	1	1
6. With Huntington's chorea	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	4	4	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	3	7	—	—	—	—	—	—	—	—	1	1	—	—
9. Alcoholic	30	1	31	4	1	5	3	4	7	2	2	—	—	5	5
10. Due to drugs and other exogenous toxins	1	1	2	—	—	—	—	1	1	1	1	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	3	5	—	—	—	—	1	2	1	2	—	—	—	—
13. Manic-depressive	15	29	44	1	2	3	—	11	17	3	7	1	1	1	1
14. Involution melancholia	5	14	19	—	2	2	—	4	6	4	4	1	1	2	1
15. Dementia praecox	58	53	111	3	1	4	—	36	35	15	11	3	1	1	2
16. Paranoid and paranoid conditions	3	5	8	—	—	—	1	1	2	3	3	1	1	1	1
17. Epileptic psychoses	1	3	4	—	1	1	—	1	2	1	1	—	—	—	—
18. Psychoneuroses and neuroses	2	5	7	1	1	2	—	1	3	—	—	—	—	—	—
19. With psychopathic personality	5	5	10	—	—	—	—	4	4	—	—	—	—	—	—
20. With mental deficiency	8	18	26	3	3	6	1	3	10	—	2	1	1	1	2
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	2	2	—	—	—	—	—	1	—	—	—	—	—	—
Total	231	221	452	20	20	40	30	18	48	32	38	70	6	8	31

*Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	2	—	2	—	—	—
2. Senile	14	23	37	14	22	36	—	1	1
3. With cerebral arteriosclerosis	53	53	106	51	53	104	2	—	2
4. General paralysis	22	7	29	22	7	29	—	—	—
5. With cerebral syphilis	6	—	6	6	—	6	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	1	1	—	—	—
8. With other brain or nervous diseases	4	3	7	4	3	7	—	—	—
9. Alcoholic	30	1	31	30	1	31	—	—	—
10. Due to drugs and other exogenous toxins	1	1	2	1	1	2	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	3	5	2	3	5	—	—	—
13. Manic-depressive	15	29	44	14	29	43	1	—	1
14. Involution melancholia	5	14	19	5	14	19	—	—	—
15. Dementia praecox	58	53	111	57	53	110	1	—	1
16. Paranoia and paranoid conditions	3	5	8	3	5	8	—	—	—
17. Epileptic psychoses	1	3	4	—	3	3	1	—	1
18. Psychoneuroses and neuroses	2	5	7	2	5	7	—	—	—
19. With psychopathic personality	5	—	5	5	—	5	—	—	—
20. With mental deficiency	8	18	26	8	16	24	—	2	2
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	2	2	—	2	2	—	—	—
Total	231	221	452	226	218	444	5	3	8

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable			Unascer- tained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
2. Senile	14	23	37	3	6	9	10	14	24	1	2	3	—	1	1
3. With cerebral arterio- sclerosis	53	53	106	10	15	25	41	32	73	2	6	8	—	—	—
4. General paralysis	22	7	29	2	1	3	19	4	23	—	2	2	1	—	1
5. With cerebral syphilis	6	—	6	1	—	1	4	—	4	1	—	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
8. With other brain or nerv- ous diseases	4	3	7	1	—	1	3	3	6	—	—	—	—	—	—
9. Alcoholic	30	1	31	3	—	3	27	—	27	—	1	1	—	—	—
10. Due to drugs and other exogenous toxins	1	1	2	—	—	—	1	1	2	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic dis- eases	2	3	5	—	1	1	2	1	3	—	1	1	—	—	—
13. Manic-depressive	15	29	44	1	3	4	13	23	36	1	3	4	—	—	—
14. Involution melancholia	5	14	19	1	2	3	3	11	14	1	1	2	—	—	—
15. Dementia praecox	58	53	111	19	4	23	36	44	80	3	5	8	—	—	—
16. Paranoia and paranoid conditions	3	5	8	—	1	1	3	3	6	—	1	1	—	—	—
17. Epileptic psychoses	1	3	4	—	1	1	1	2	3	—	—	—	—	—	—
18. Psychoneuroses and neu- roses	2	5	7	—	—	—	2	4	6	—	—	—	—	1	1
19. With psychopathic per- sonality	5	—	5	1	—	1	4	—	4	—	—	—	—	—	—
20. With mental deficiency	8	18	26	5	2	7	3	16	19	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychoses	—	2	2	—	1	1	—	1	1	—	—	—	—	—	—
Total	231	221	452	47	37	84	174	159	333	9	23	32	1	2	3

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	2	—	2	—	—	—	—	—	—	—	—	—
2. Senile	14	23	37	13	20	33	1	1	2	—	—	—	—	2	2
3. With cerebral arterio-sclerosis	53	53	106	35	49	84	11	1	12	6	2	8	1	1	2
4. General paralysis	22	7	29	11	7	18	6	—	6	3	—	3	2	—	2
5. With cerebral syphilis	6	—	6	2	—	2	2	—	2	2	—	2	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	3	7	3	3	6	1	—	1	—	—	—	—	—	—
9. Alcoholic	30	1	31	—	—	—	—	—	—	30	1	31	—	—	—
10. Due to drugs and other exogenous toxins	1	1	2	—	1	1	—	—	—	1	—	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	3	5	2	3	5	—	—	—	—	—	—	—	—	—
13. Manic-depressive	15	29	44	14	27	41	1	1	2	—	—	—	—	1	1
14. Involution melancholia	5	14	19	5	13	18	—	—	—	—	—	—	—	1	1
15. Dementia praecox	58	53	111	36	51	87	14	2	16	7	—	7	1	—	1
16. Paranoid and paranoid conditions	3	5	8	2	5	7	1	—	1	—	—	—	—	—	—
17. Epileptic psychoses	1	3	4	1	2	3	—	1	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses	2	5	7	2	5	7	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	5	—	5	4	—	4	—	—	—	1	—	1	—	—	—
20. With mental deficiency	8	18	26	6	17	23	2	1	3	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—
Total	231	221	452	138	206	344	39	7	46	50	3	53	4	5	9

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total		Single		Married		Widowed		Separated		Divorced	
	M.	F.	M.	T.	M.	F.	M.	T.	M.	F.	M.	T.
1. Traumatic	2	—	—	2	2	—	—	—	—	—	—	—
2. Senile	14	23	3	37	3	11	7	7	—	—	—	—
3. With cerebral arteriosclerosis	53	53	6	106	10	16	17	31	—	—	1	1
4. General paralysis	22	7	1	29	1	1	18	48	—	—	1	2
5. With cerebral syphilis	6	—	—	6	—	—	3	1	—	—	2	2
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	1	—
7. With brain tumor	—	1	—	1	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	3	2	7	—	—	—	—	—	—	—	—
9. Alcoholic	30	1	12	31	2	4	4	—	—	—	—	—
10. Due to drugs and other exogenous toxins	1	1	—	2	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	3	1	5	—	—	—	—	—	—	—	—
13. Manic-depressive	15	29	3	44	9	12	11	2	—	—	1	1
14. Involution melancholia	5	14	—	19	6	6	5	13	—	—	—	—
15. Dementia praecox	58	53	47	111	16	63	9	2	—	—	2	3
16. Paranoia and paranoid conditions	3	5	—	8	1	1	1	2	—	—	2	2
17. Epileptic psychoses	1	3	—	4	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	2	5	1	7	1	3	—	—	—	—	—	—
19. With psychopathic personality	5	7	1	12	2	3	1	4	—	—	—	—
20. With mental deficiency	—	—	6	6	4	4	—	—	—	—	—	—
21. Undiagnosed psychoses	8	18	4	26	10	16	2	8	—	—	1	—
22. Without psychosis	—	2	—	2	—	—	—	—	—	—	—	—
Total	231	221	88	452	70	158	31	76	—	—	11	16

TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males	Females	Total
1. Traumatic	—	—	—
2. Senile psychoses	1	1	2
3. Psychoses with cerebral arteriosclerosis	1	5	6
4. General paralysis	4	—	4
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	1	—	1
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	1	—	1
9. Alcoholic psychoses	6	—	6
10. Psychoses due to drugs and other exogenous toxins	—	—	—
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	—	—	—
13. Manic-depressive psychoses	14	17	31
14. Involution melancholia	1	3	4
15. Dementia praecox	25	22	47
16. Paranoia and paranoid conditions	—	3	3
17. Epileptic psychoses	1	1	2
18. Psychoneuroses and neuroses	—	—	—
19. Psychoses with psychopathic personality	—	—	—
20. Psychoses with mental deficiency	8	2	10
21. Undiagnosed psychoses	—	—	—
22. Without psychosis	—	—	—
Total	63	54	117

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge.*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	—	—	—	3	—	3	—	—	—
2. Senile	2	1	3	—	—	—	2	—	2	—	1	1
3. With cerebral arteriosclerosis	10	10	20	—	—	—	6	10	16	4	—	4
4. General paralysis	8	5	13	—	—	—	8	4	12	—	1	1
5. With cerebral syphilis	—	1	1	—	—	—	—	1	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	1	4	—	—	—	2	1	3	1	—	1
9. Alcoholic	13	1	14	1	—	1	12	1	13	—	—	—
10. Due to drugs and other exogenous toxins	1	1	2	—	—	—	1	1	2	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	—	—	—	—	1	1	—	—	—
13. Manic-depressive	20	23	43	—	—	—	17	22	39	3	1	4
14. Involution melancholia	2	3	5	—	—	—	1	3	4	1	—	1
15. Dementia praecox	45	33	78	—	—	—	42	29	71	3	4	7
16. Paranoia and paranoid conditions	2	—	2	—	—	—	2	—	2	—	—	—
17. Epileptic psychoses	3	—	3	—	—	—	3	—	3	—	—	—
18. Psychoneuroses and neuroses	2	9	11	—	—	—	2	9	11	—	—	—
19. With psychopathic personality	3	1	4	—	—	—	3	1	4	—	—	—
20. With mental deficiency	4	6	10	—	1	1	3	4	7	1	1	2
21. Undiagnosed psychoses	2	—	2	—	—	—	2	—	2	—	—	—
22. Without psychosis	1	2	3	—	—	—	—	—	—	—	—	—
Total	124	98	222	1	1	2	109	87	196	13	8	21

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.

CAUSES OF DEATH	Dementia praecox			Paranoia or paranoid conditions			Epileptic psychoses		Psycho- neuroses and neuroses		With psychopathic personality		With mental deficiency		*All other psychoses				
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>Epidemic, Endemic and Infectious Diseases</i>																			
Influenza	1	4	5	-	1	1	-	-	-	M.	F.	T.	-	-	-	-	1	1	1
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lethargic encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system	6	6	12	-	-	-	1	1	-	-	-	-	1	-	1	-	1	1	1
Syphilis (non-nervous forms)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
<i>General Diseases not Included in Class I</i>																			
Cancer and other malignant tumors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Alcoholism (acute or chronic)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other general diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System</i>																			
Other diseases of spinal cord	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
Cerebral hemorrhage, apoplexy	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2
General paralysis of the insane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other forms of mental disease	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epilepsy	-	-	-	-	-	-	1	1	-	-	-	-	1	-	1	-	-	-	-
Other diseases of the nervous system	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
<i>Diseases of the Circulatory System</i>																			
Pericarditis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endocarditis and myocarditis	7	1	8	-	-	-	1	1	-	-	-	-	1	-	1	-	3	3	6
Angina pectoris	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerosis	-	2	2	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Other diseases of the circulatory system	-	-	-	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-	-
<i>Diseases of the Respiratory System</i>																			
Bronchitis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Bronchopneumonia	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Lobar pneumonia	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Pleurisy	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System</i>																			
Ulcer of stomach and duodenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhea and enteritis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Non-Veneral Diseases of the Genito-Urinary System and Anæmia</i>																			
Diseases of prostate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes</i>																			
Suicide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
Total	18	27	45	-	2	2	1	2	3	-	-	-	4	1	5	8	10	18	18

*Includes group 22, "without psychosis."

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded.

PSYCHOSES	40-44 years		45-49 years		50-54 years		55-59 years		60-64 years		65-69 years		70 years and over	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	1	1	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	1	4	9	25
3. With cerebral arteriosclerosis	-	-	1	1	1	1	3	6	1	2	9	5	23	34
4. General paralysis	-	-	7	5	2	7	1	-	6	5	3	14	19	43
5. With cerebral syphilis	3	1	-	-	-	-	-	-	6	2	3	-	1	1
6. With cerebral syphilis	-	-	-	-	-	-	-	-	1	1	1	-	-	-
7. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. With other brain or nervous diseases	1	-	1	1	1	1	2	1	-	2	-	1	1	1
10. Alcoholic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. With other somatic diseases	-	-	1	1	1	1	1	1	-	-	1	-	-	-
14. Manic-depressive	1	2	-	-	-	-	1	1	1	1	3	3	1	1
15. Involution melancholia	-	-	1	1	1	-	-	-	-	-	-	-	-	-
16. Dementia praecox	1	3	2	1	1	2	1	4	2	1	2	1	5	2
17. Paranoia and paranoid conditions	-	-	-	-	-	-	2	2	3	1	3	-	-	7
18. Epileptic psychoses	1	-	-	-	-	-	-	-	-	-	-	-	-	-
19. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. With mental deficiency	-	-	1	-	1	1	-	-	-	-	-	-	-	-
22. Undiagnosed psychoses	-	-	1	1	-	-	-	-	-	-	-	-	-	-
23. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	7	6	13	4	17	10	8	18	18	12	19	16	38	86

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

PSYCHOSES	Total			Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
2. Senile	11	30	41	3	3	6	4	3	6	2	2	9	1	4	5
3. With cerebral arteriosclerosis	43	33	76	12	10	22	11	9	20	3	2	11	4	3	3
4. General paralysis	29	8	37	2	-	2	2	3	1	2	2	4	3	1	7
5. With cerebral syphilis	2	-	2	-	-	-	2	2	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	3	6	9	-	-	1	1	2	-	-	-	2	-	-	1
9. Alcoholic	6	1	7	2	-	1	1	-	-	-	-	1	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	4	5	-	1	1	-	-	-	2	2	1	1	1	1
13. Manic-depressive	3	11	14	-	3	3	-	-	-	1	1	1	2	2	3
14. Involution melancholia	2	5	7	-	-	-	1	1	-	1	1	1	1	1	2
15. Dementia praecox	18	27	45	-	3	3	1	5	6	-	-	2	5	1	1
16. Paranoia and paranoid conditions	-	2	2	-	-	-	1	1	-	-	-	-	1	-	-
17. Epileptic psychoses	1	2	3	-	-	-	-	-	-	-	-	-	1	-	1
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	4	1	5	-	-	-	-	1	-	-	-	1	-	1	-
21. Undiagnosed psychoses	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	125	130	255	20	20	40	23	23	46	9	5	14	28	26	54
								13	12	25			10	16	26

TABLE 19. *Family Care Department*

	Male	Female	Total
Remaining in Family Care October 1, 1928	1	17	18
On visit from Family Care October 1, 1928	—	—	—
Admitted during year	—	7	7
Whole number of cases within the year	1	24	25
Dismissed within the year	—	—	—
Returned to institution	—	8	8
Discharged	—	—	—
Died	1	—	1
On visit	—	—	—
Remaining in Family Care September 30, 1929	—	16	16
Supported by State	—	13	13
Private	—	3	3
Self-supporting	—	—	—
Number of different persons within the year	—	5	5
Number of different persons dismissed	—	—	—
Number of different persons admitted	—	—	—
Average daily number in Family Care during the year . . . . .	.4	15.8	16.2
Supported by State	—	13.	13.
Private . . . . .	.4	2.8	3.2
Self-supporting	—	—	—

The Commonwealth of Massachusetts



ANNUAL REPORT OF THE TRUSTEES

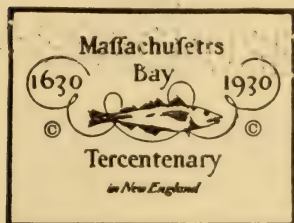
OF THE

DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1930

DEPARTMENT OF MENTAL DISEASES



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DEPARTMENT OF MENTAL DISEASES
GARDNER STATE COLONY
GARDNER, MASS.

DANVERS STATE HOSPITAL

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EDGAR C. YERBURY, M.D., *Assistant Superintendent*
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SALOMON GAGNON, M.D., *Senior Physician*
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HEADS OF DEPARTMENTS

MR. ARTHUR E. REED, *Supervisor Male Department*,
MISS OLIVE F. ESTEY, R.N., *Principal of School of Nursing*
MISS MARY H. HOLLAND, *Head Social Worker*
MISS GRACE MANNING, R.N., *Supervisor, Female Department*
MR. SAMUEL A. CLARK, *Chief Engineer*
MR. WILLIAM GORDON, *Head Farmer*
MR. CARLTON B. MOSHER, *Foreman Mechanic*
MISS GWYNNE DRESSER, *Head Occupational Therapist*

CONSULTING PHYSICIANS

S. CHASE TUCKER, M.D., *Surgeon*
PHILIP R. DWYER, M.D., *Ophthalmologist*
JOHN D. ADAMS, M.D., *Orthopedic Surgeon*
RALPH E. STONE, M.D., *Internist*.

TRUSTEES' REPORT

To His Excellency the Governor and the Honorable Council:

Again it is our privilege to report our impressions of the working year at the Danvers State Hospital.

The Board meetings have taken place regularly each month and at this time all departmental and financial reports have been reviewed and the more important happenings in institutional administration.

The last half of this year has seen a full medical staff which has helped a great deal in a more effective medical supervision for the patients. The hospital has been able to procure a competent physician to take charge of the laboratory and research work from the laboratory standpoint is once more under way.

This year has seen the completion of the Nurses' Home for which the institution is very grateful. It has not only meant a comfortable abode for our nurses but has given us some forty rooms for patients by means of transfer of nurses who had

previously had their rooms on the wards. The Home is well constructed and finished and it is a splendid addition to the hospital's equipment. Also at this time we can report the completion of an old building known as the gas house into a splendid dormitory for patients who are employed on the farm. Within this building are very excellent rooms for some 15 employees as well as 40 patients.

At the time of this report, namely at the end of the fiscal year November 30, 1930, the new dining room for patients is well under way and following this the kitchen will be built and the employees' dining room. These sections will be of the most modern construction and should give us splendid equipment in food service and distribution to both patients and employees.

One cottage on the grounds formerly used by an employee has been completely renovated and will eventually make splendid quarters for one of the physicians and his family.

The hospital is in need of physiotherapy apparatus and a new X-ray machine to increase treatment facilities and as soon as this is procurable it means added help in the treatment of acute mental conditions.

Careful watch has been kept of painting and repair needs throughout all the buildings of the institution and it is our feeling that the wards of the hospital section proper are in good condition and that all outside buildings have been kept in a good state of repair.

The Trustees are pleased with the efforts of the officials of the institution in promoting the best medical care of the patients and desire to also express satisfaction with the work that the hospital has done in the community. This has manifested itself in the establishment of two clinics in Lynn, one for children and the other for adults; the opening of a new clinic in Lawrence, and mention of a new clinic shortly to begin in Haverhill. More and more there is need for advice and treatment in the community in regard to matters of mental health and the hospital is endeavoring to provide this feature as a part of its service in its particular district.

The Board is satisfied that during the past year the patients have received every attention from the medical and administrative departments of the hospital, and thanks the Department of Mental Diseases for advice and supervision that have been provided.

Respectfully submitted,

S. HERBERT WILKINS, *Chairman*

DR. ARTHUR C. NASON

HON. JAMES F. INGRAHAM

ALBION L. DANFORTH

MRS. ANNA P. MARSH

MRS. ANNIE T. FLAGG

W. W. LAWS

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-third annual report of the Superintendent for the fiscal year ending November 30, 1930, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1930.

MOVEMENT OF POPULATION

The hospital year opened on October 1st, 1929, with 1951 patients in the hospital, 252 on visit, 10 on escape, and 16 in family care, making a total of 2,229.

The year ended on September 30th, 1930, with 2,078 patients in the hospital, 287 on visit, 13 on escape, and 14 in family care, making a total of 2,392

Number of admissions during the year: 449 male; 369 female; total 818, an increase of 102 over the preceding year.

There was 1 man admitted as a voluntary patient; 32 patients were transferred from other institutions; 112 men and 56 women were admitted on temporary care papers.

FIRST ADMISSIONS

Patients admitted to this or any hospital for the first time numbered 635, an increase of 87 over the preceding year.

DAILY POPULATION

The total average population for the year was 1,996.6, an increase of 90.5 over the preceding year. There were 3,047 patients treated during the year as compared with 2,886 in 1929.

264 patients died in the institution during the year, which is 6 less than the preceding year.

DISMISSALS

There were 369 patients discharged from the institution during the year, 202 men and 167 women: Classified as to condition on discharge: 40 as recovered; 238 as improved; 34 as unimproved; and 57 as not insane. The figures for the preceding year are as follows: 28 as recovered; 208 as improved; 26 as unimproved and 48 as not insane.

On September 30th, 1930 there were 287 patients on trial visit in care of friends or under hospital supervision as compared with 252 in 1929.

Since the organization of the hospital 29,582 patients have been admitted and 27,190 discharged.

EX-SERVICE MEN UNDER CARE

October 1, 1929 to September 20, 1930

Number of admissions, 29; number of return visits, 11; number of return escapes, 0; number discharged, 16; number discharged by death, 1; number transferred, 6; number removed from list, 1; number on visit, 18; number on escape, 1; total number in the hospital October 1, 1929, 63; total number admitted during the year, 40; total number discharged during the year, 43; total number in hospital September 30, 1930, 60; total number under treatment during the year, 103.

MEDICAL ADMINISTRATION

The following changes in personnel of the Staff occurred during the year:

Appointments

Dr. Myron D. Jacoby, appointed assistant physician December 28, 1929.
 Dr. Arthur Kanserstein, appointed assistant physician January 22, 1930,
 Dr. Martha G. Wilson, appointed assistant physician June 15, 1930,
 Dr. Hugh Wilson O'Neill, appointed assistant physician June 11, 1930,
 Dr. Henry A. Tadgell, appointed assistant physician July 1, 1930,
 Dr. Philip F. Hilton, appointed assistant physician July 3, 1930,
 Dr. Velma H. Atkinson, appointed assistant physician September 15, 1930,
 Dr. Anna M. Allen, appointed assistant physician November 1, 1930,
 Dr. Salomon Gagnon, promoted to Senior Physician October 1, 1930.

Resignations

Dr. Arthur Kanserstein, resigned February 10, 1930,
 Dr. Elmer Warner, resigned March 6, 1930,
 Dr. J. R. Lapiere, resigned April 30, 1930,
 Dr. Olive Pippy, resigned April 15, 1930,
 Dr. Myron D. Jacoby, resigned July 3, 1930,
 Dr. Henry L. Clow, transferred to Metropolitan State Hospital, November 4, 1930.

Clinical Assistants

Garrett M. Brownrigg, June 1 to August 31, 1930,
 Harry Goodman, June 15 to September 22, 1930,
 Max M. Goldstein, June 16 to September 22, 1930,
 Elizabeth Waugh, June 30 to August 30, 1930,
 Sanijeh Habboub, June 30 to August 30, 1930,
 George M. Wheatley, July 5 to August 31, 1930.

STAFF MEETINGS

The usual morning Staff meetings have been continued throughout the year along the same lines as in former years, the new cases being presented for the

Except during the summer months the weekly staff conferences for the purpose of discussing new methods of treatment have continued throughout the year. Difficult problems on the medical services and suggestions of improvement which would materially benefit the patient have also been discussed.

No changes have been made in the ward service and the physicians still continue to visit the patients on their wards at least twice daily. Once a week a visit is made on all wards at night. All newly admitted patients are given a thorough physical examination subsequent to which an exhaustive psychological, mental and laboratory examination is made. The practice of immunizing all patients against small pox, typhoid fever and diphtheria has been carried out.

HYDROTHERAPY

OCCUPATIONAL THERAPY

VENEREAL CLINIC

DENTAL SERVICE

Surgery:

Extraction (local anaesthesia). 1111

Fillings:

Silver amalgam	92
Copper amalgam	4
Zinc oxide and engenal	149
Compound (silver cement and silver amalgam)	28
Cement	9
Silver cement	8
Porcelain	14
Kryptex	5
	<hr/>
	309

Prosthetic:

Completed full plates	24
Repaired full plates	10
Repaired partial plates	6

Odontexis:

Treatments in general	745
Referred to X-ray	580
Re-examinations	40
New patients examined	377
Total number of office visits	880
Lectures	2044
	6 hrs.

ENTERTAINMENTS

Throughout the year, with the exception of the summer months, the usual dances and motion picture entertainments have been provided. Whist parties held at monthly intervals were enjoyed by many of our patients. During the summer the Saturday baseball games were continued, and beside playing exchange games with the Worcester and Westboro State Hospital teams, Foxboro State Hospital requested games which were played. The special Field Day was again held on July 4th and much enthusiasm was shown by those in attendance. There was much activity during the Christmas season as many special programs were provided for both patients and employees. Special entertainments have occasionally been provided for our patients as well as those that are held weekly for our ex-service men.

PSYCHIATRIC CLINICS

The usual clinics for our patients who have left the hospital on visit have continued weekly throughout the year at Gloucester, Haverhill, Lawrence, Lynn, Malden, Newburyport and Salem. These clinics have continued to grow until a large percent of those on visit now report at regular intervals. While there have not been as many cases referred to these clinics by outside physicians as in former years, many more cases have been examined at the hospital upon the request of physicians and judges.

TRAVELING SCHOOL CLINIC

During the past year a maximum of cases has been examined and because of the increasing number of requests coming from the various superintendents of schools in our district it is evident that this service is highly valued. During the latter part of the year Dr. Evelyn Alpern has divided her time between this and the Child Guidance Clinic.

ADULT MENTAL HYGIENE CLINIC.

This clinic has continued to function successfully during the past year under the direction of Dr. Salomon Gagnon. Many new cases seek advice and it is encouraging to learn that a large number of cases are helped by their contact with this clinic. It is also felt that some of these cases would undoubtedly need hospital care if such a clinic was not available.

CHILD GUIDANCE CLINIC

Because of the rapid growth of this clinic during the past year it was impossible to handle the number of cases seeking appointments, without devoting more time

to it. In October new quarters were procured at the Child Welfare House in Lynn where the clinic functions on Tuesdays and Fridays from 9:00 A. M. to 5:00 P. M. Because of the urgent demand for a similar clinic in Lawrence plans are now being made for its organization.

The hospital has continued its practice of providing lectures and clinics throughout the year to various educational groups.

LABORATORY SERVICE

This service has been carried on throughout the year by a technician who devotes of all her time to the work. There was a short time when we were without a technician but the work was satisfactorily handled by one of our clinical assistants. We are greatly indebted to Dr. Marjorie Fulstow who has rendered invaluable service in assisting us in our pathological work. Dr. Anna M. Allen has been devoting part time to the work of the laboratory for the past month and with the beginning of the new year will give up all of her time to this service. The following is a report of the work accomplished during the year:

Autopsies	28
Basal metabolisms	3
Blood counts	417
Faeces	3
Smears, bacterial	40
Spinal fluids	5
Sputum examinations	2
Urinalyses	927

ENGINEER'S REPORT

The outstanding accomplishments of the engineering department during the year 1930, are as follows:

Designed and installed the plumbing, heating, and lighting systems for the old gas house now known as Farm Hall. The heating system in the vegetable house was made a part of this heating system and is very much more satisfactory than formerly.

Cottage No. 4 heating boiler was removed and steam line run into the cellar to take the place of the boiler. The entire system of heating mains in the cellar was put in new and in a much more satisfactory manner than before.

Cottage No. 2 old hot air heater was removed and the boiler taken from Cottage No. 4 was set up there. A complete hot water heating plant was installed and the results have been very satisfactory. The plumbing and lighting systems at Cottage No. 2 were revamped also.

Designed and installed a steam heating system at Cottage No. 9 at Middleton Colony. This system is supplied with steam through underground steam line from the Colony heating plant. Electric light and telephone service wires were also put underground. This cottage was completely rewired and new lighting fixtures installed.

Designed and installed a new hydrant system at the Middleton Colony. This system consists of an 8" loop encircling the entire group of buildings. From this loop, 6" lines run out to the new hydrants. All hydrants are located far enough away from buildings so that fire apparatus will not be in danger while using them. The hydrant system is now entirely independent of the service water system in the buildings. Formerly this was not so.

Designed and installed new heating coils in sections 3, 4 and 5 in the greenhouse. These coils were all welded and are equipped with high pressure traps. We can now prevent any possible freezing of the plants in these sections.

Installed International system of electric clocks in the wards and front center section. We expect to extend this system to the rest of the buildings next year.

CONSTRUCTION REPORT.

The following represents the work done during the past year by the mechanical

department relating particularly to the work of the carpenters, painters, masons and blacksmith:

Carpenters: Carpenter Shop, making of wood work for brushes; chair and bed parts for industrial shop, also tables, desks, chairs, etc.; building addition for Grove Hall dining room; finishing of basement for plastering at Male Home; setting up Christmas trees on wards and grounds; repairs on wagons, carts, sleds, snow plows, etc.; shingling of roof and general repairs at Cottage No. 7, Cottage No. 2, and Cottage No. 8; remodelled and equipped old gas house, now known as Farm Hall, for patients and farm help; machine shop remodelled; repairs to kitchen and bathroom at Cottage No. 3; changes and repairs on inside of hennerly buildings; making of twelve clothes rooms on male wards; new treads on stairs at main building; doors, screens and storm windows at main building; repairs on washing machines at laundry; general repairs in vacant tenement at Engineer's House at Middleton Colony; old boiler house removed ready for new construction; general repairs on barn and out buildings making ready for painting; taking down old barns at Middleton Colony; making of screens, doors, tanks, settees, etc., at carpenter shop.

Painters: There were about 1,700 lights of glass set during the year; inside painting at main building, Ward A-3 annex, A-1 annex, congregate dining hall, C-2 ward and rooms, C-3 rooms, Nurses' Home rooms, rear center rooms, Attendants' Home rooms and corridors, new addition at Grove Hall; outside and inside painting at Farm Hall, formerly old gas house; inside painting at female T. B. Building; inside painting Engineer's House at Middleton Colony; painting outside of Middleton Colony boiler house; all buildings at Middleton Colony painted outside; painted outside of Cottages Nos. 7, 4, 5, 1; painted inside and outside of Cottages Nos. 2, 3, and 8; barn and sheds painted outside; H-2 ward and rooms painted.

Masons: Brick work, cement and plastering at old gas house; brick work, cement and plastering at Grove Hall addition; plastering and cement floor at Male Home; building of manholes; cement floors at laundry, kitchen and water sections at main building; repairs on ranges, bakery ovens, etc., at main building and Middleton Colony; lining of fire boxes of boilers at boiler house; building of brick walls at machine shop; foundations and cement floors at pump house; repairs on cement platforms at Service Building; plastering and repairing for painting at main building; building chimney, repairs on wall and plastering at Cottage No. 8; cement pipe line across field from stone crusher to Dayton Street; catch basin and laying pipe line at old boiler house; building of brick pits at greenhouse.

Blacksmith: Shoeing of horses; repairs on carts, wagons and sleds; sharpening of pickaxes; making hangers for machinists and plumber; springs on beds; repairs on trucks; making of drills; and general jobbing.

FARM REPORT.

Although the summer of 1930 was extremely dry the results from farming activities were reasonably satisfactory. Owing to the draught the hay crop was lighter than usual being 272 tons, but 325 tons of ensilage, 198 tons of greenfeed and 50 tons mangels were raised to provide food for the animals. The vegetable garden produced 100 bushels of beets, 1,200 bushels string beans, 65 tons cabbage, 29,357 lbs. of chard, 24,844 lbs. lettuce, 51,655 lbs. of onions, 43 tons squash, 53 tons turnip, 13,630 lbs. of rhubarb, 20,000 lbs. spinach, 1,100 bushels tomatoes, 2,766 lbs. of dandelions, 5,389 lbs. green peas, 7,224 lbs. pumpkins, and 2,428 quarts strawberries.

The farm likewise produced 5,400 bushels of potatoes, 436,900 quarts of milk, 60,538 lbs. dressed pork, 13,000 lbs. beef, 5,295 lbs. fowl, 4,442 lbs. broilers, and 8,000 doz. eggs.

Much leveling and grading was done around the new Nurses' Home and this work is not yet completed.

The filling in of the main sewers connecting the hospital and the Middleton Colony with the South Essex trunk line sewer has been completed and all rocks and surplus material have been removed.

About thirteen hundred feet of 26 inch cement pipe was laid in the brook or ditch running from the stone crusher pasture to Dayton Street. The pipe was made on the place by inmate labor. After being laid it was covered to a depth of four or five feet in places with material excavated from the new cellar at the hospital and from the mound where Dayton Hall (now Cottage No. 6) formerly stood. The filling in of this brook will greatly facilitate farming operations on this part of the farm besides adding about one and a half acres to the cultivated land.

Three hundred feet of 18" Akron pipe was laid in one of the lateral ditches of the meadow so it can be plowed over. The land lying between the vegetable house and the salvage yard has been thoroughly cleared of rocks, roots and stumps and will be planted next spring. This will add about $3\frac{1}{2}$ acres to our arable land.

The ground around the new Farm Hall (formerly the gas house) has been graded and seeded down, and concrete walks laid out wherever necessary. Considerable planting of shrubs was done around Cottage No. 1 on the Newburyport Turnpike.

The old Gregory Barn at Middleton Colony has been removed, and after the cellar has been filled in and some grading done, the approach to Middleton Colony from the main hospital will be much improved in appearance.

On account of new construction going on new approaches had to be made to the public entrance. This necessitated digging out and filling with stones, crushed rock and gravel all bound with tar about six hundred and twenty square yards of new road. Three hundred and twenty square yards of the same kind of road were made in front of Farm Hall. Much stone was hauled from the fields and crushed for construction and road work.

Considerable work was done on the fruit and shade trees by a staff of trained experts from outside. This pruning needed to be done very badly and no doubt good results may be looked for in the near future.

RELIGIOUS SERVICES.

Religious services were held regularly each Sunday, the Catholic clergyman officiating in the forenoons, and the Protestant clergyman in the afternoons. Religious services were also held monthly at the Middleton Colony. Responses to sick calls, or to administer the rites of their religion to the dying, have been faithfully made by the clergy.

ACKNOWLEDGEMENTS.

I desire to record my appreciation to the various organizations who have provided special entertainments for our patients and ex-service men, and for the gifts of tobacco, fruit, delicacies, writing materials and reading matter so generously distributed by the patriotic organizations to our soldiers.

I wish to thank the Board of Trustees and the Department of Mental Diseases for their assistance and advice.

Respectfully submitted,

C. A. BONNER, M.D.,

Superintendent.

REPORT OF THE TRAINING SCHOOL FOR NURSES.

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the fortieth annual report of the Training School for Nurses.

The new Nurses' Home was ready for occupancy November 18th. I would like to take this opportunity to express on behalf of the nurses and myself, our appreciation and gratitude to all those who have helped to give us the new Home. We have a Home that everyone may well be proud of and it is going to mean so much in the recreational and social life of our nurses. Plans are being made by the graduate nurses and students for a social gathering (or party) to be held each week in the living room in the new Nurses' Home. The attendant nurses will be invited each time. Refreshments will be served and entertainment provided by a different committee each week. The Alumnae Association has agreed to purchase a gas range for the kitchen of the new Home.

SOCIAL SERVICE REPORT.

To the Superintendent:

I respectfully submit the following report of the Social Service Department for the year ending November 30, 1930.

SOCIAL SERVICE STATISTICS.

	Hospital	Child Guid- ance Clinic	School Clinic	Adult Mental Hygiene Clinic	Out- side
I. <i>Numerical Summary</i>					
1. New cases	739	66	205	53	7
2. Renewed cases	97	10		19	
II. <i>Sources of Cases</i>					
Hospital physicians	679	8		2	1
Social agencies	27	30		2	
Initiative of patients or relatives	30	1		6	1
Initiative of social service	42				
Schools		12	205		
III. <i>Analysis of Work</i>					
1. Hospital cases	In Out				
Number of histories	519 248	50	205	53	
Number of investigations					
a. for diagnosis		105			
b. for home conditions		70			
2. Clinical Service:					
Child Guidance Clinic		43			
Adult Mental Hygiene Clinic		37			
School Clinic		19			
Hospital out-patient Clinic		43			
Account of Time:					
Days in		419			
out.		703			
Hospital work		646			
Child Guidance Clinic		246			
Adult Mental Hygiene Clinic		176			
School Clinic		57			
Number of calls to patients on visit		108			
Visits to clinic including repeats		564			

During the year our social service department has worked on 1,147 cases. Of these 875 were hospital cases, 76 Child Guidance Clinic, 205 School Clinic, and 72 Adult Mental Hygiene Clinic. 7 cases had no connection with the hospital or clinic work, for instance, court cases.

It is gratifying that the community aspects of the hospital work are being recognized; for instance, the establishment of Child Guidance and Mental Hygiene Clinics in our hospital district, but it is defeating its own purpose to establish such clinics without making possible adequate personnel to operate them efficiently or to run them at the expense of other phases of our work.

Nearly every month last year between 250 and 300 cases were at home on visit from the hospital but because of pressure of other work social service was able to visit only a minimum of these patients to inquire into or to help with their adjustment in their family and community life. This should be a big contribution of social service to the hospital. On an average 9 patients on visit were seen each month. To be sure, more patients attended the hospital out-patient clinics but here the average number of visits to clinic per month was 47. This is only about 1/5 or 1/6 of the total number of patients on visit from the hospital.

More and more is expected of the social service department in the way of routine hospital histories and outside clinic activities which means that social case work

with hospital patients is being neglected. If the social service are to take histories on all newcoming patients, as we are doing at present, there should be an opportunity to take full social histories rather than hasty interviews at the hospital. Sometimes five or six histories a day are taken over week-ends. Obviously, such histories are inadequate. Of the 767 histories taken by our department this year, twice as many were taken at the hospital as outside in the community. This would make it seem desirable to have a historian who should be a well-trained social worker.

Only 70 cases were referred to our department for investigation of home conditions and making of plans prior to patients' release from the hospital. The real contribution a skilled psychiatric social case worker has to offer for the hospital patient is lost sight of.

The number of school clinic histories obtained was 205. These took a great deal of time. The families of these children lived in remote and inaccessible country districts. Frequently there was language difficulty to be met with and almost always ignorance of the examination and its purpose. At present we are instructing the school nurses in the local districts to take histories in these cases.

With the Lynn Child Guidance Clinic operating two full days a week and doing more intensive work in each case, the work of the social service department is increased both in gathering material to gain an understanding of the problem child, his background and needs, and in making possible the carrying out of treatment prescribed.

The Adult Mental Hygiene Clinic in the Lynn Hospital has continued to meet under the same conditions as last year. There has been an average attendance during the year of 6 patients each week and an average of one new patient per week. Most of the patients are referred by the patients themselves or on the recommendation of other clinic patients. School and social agencies have not availed themselves of the clinic as much as they might have. The chief problem in the clinic is the need for stenographic service, present arrangements being most unsatisfactory.

The paid personnel of the department remains the same as last year. Miss Hilma Peterson and Miss Arlene Robbins of the Smith College School for Social Work completed their work with us in May. This Fall we have as students in the department, Miss Minnie Remley from the Smith College School for Social Work, and Miss Doris Brown and Miss Doris Waid from the Department of Mental Diseases training course. We appreciate the lectures in psychiatry the hospital staff has been giving for the students.

It is a pleasure and stimulus to have students from schools for social work with us. Too much, however, is expected of them in the way of routine history taking. They do not have the opportunity for the variety of experience that a State Hospital social service department can furnish. The head worker should be relieved of case work to be able to plan ahead for the department and to give workers and students needed supervision and guidance and to keep informed herself of developments in the community of interest to the hospital.

Respectfully submitted,

MARY H. HOLLAND,

Head Social Worker.

REPORT OF THE LYNN CHILD GUIDANCE CLINIC.

To the Superintendent:

Since September of this year the Lynn Child Guidance Clinic is being held two full days a week. The clinic is located in the Child Welfare House, the quarters of which are furnished by the Child Welfare Association of Lynn. The staff of the clinic consists of the director, Dr. C. A. Bonner, Superintendent of this hospital; psychiatrists, part time; Head Social Worker, part time; one part time assistant Social Worker; one full time student Social Worker; part time psychometrist (also stenographer); as consulting psychologist the School Psychologist of Lynn; and a speech teacher, part time.

In the two months that the clinic has been conducted on this new schedule, 17 new cases have been seen, and 10 old cases re-opened. These children have been referred to us from the following sources: School, 11 (including school psychologist, 3; visiting teacher, 2; superintendent of schools, 2; principal of school, 2; truant officer, 1; school nurse, 1); social agencies, 8; parents, 4; hospitals, 3; miscellaneous, 1.

Of the 17 new cases, 7 attend the clinic regularly as intensive treatment cases both from the standpoint of psychiatric treatment and social readjustment; after the study of 7 cases a diagnosis has been offered (sub-normal mentality, 6; post-encephalitis, 1), and proper school and social adjustment advised; 4 cases were studied from the standpoint of placement of the children outside the home. Of the 10 cases re-admitted from last years' clinic, 5 are treatment cases, 5 are now being continued as cases of speech defect alone.

In conjunction with the clinic this year, the Lynn Public Library has cooperated with us so that we have books on mental hygiene and child guidance which we lend to interested parents and others. Also, we have the beginnings of a small library of our own.

All cases are seen by appointment only and as complete records as possible are kept in all cases.

Respectfully submitted,

EVELYN ALPERN, M.D.,

Psychiatrist, Lynn Child Guidance Clinic.

PSYCHOLOGICAL REPORT.

To the Superintendent:

In accordance with your request, I offer the following report of the work of the Psychological Department, for the fiscal year which closes November 30, 1930:

The following young women have served as assistant in the department, for periods ranging from one month to five months. Katherine Simpson, Farrior Brown, Mary McJennett, E. Frances Wells, Elizabeth Alexander, Joanna Hagg. From February to June, Miss Simpson was the only assistant on duty; at all other times there have been two assistants contemporaneously, but with a rather rapid turnover.

The routine psychometric examination of incoming patients occupies a little more than the full working time of one person. All newly admitted patients under sixty years of age are referred to us for examination, the majority being brought to our office for a psychometric test. In the course of the year 461 patients were thus examined, 250 men and 211 women. Many additional patients were visited in the wards for a very informal examination of which no official record has been kept.

The chief research project of the year was a collection of 100 cases of manic-depressive psychoses, intensively studied. No effort has been spared to make this study, in each case, as nearly exhaustive as circumstances permitted. In most cases the relatives and friends of the patient have been interviewed at the hospital, and in a few cases the homes have been visited. The majority of the patients have been kept under close observation for the entire year, either at the hospital or in the after care clinics. Although the primary purpose of this study was research, it has been found possible on the side to make use of these interviews with patients for psychotherapeutic treatment. To this end, visits to the after care clinics have been continued since the completion of the study, so as to take advantage for therapeutic purposes of the personal contacts which have been established with the patients and their families. Some patients have continued to come back occasionally for a word of friendly encouragement, even after receiving their discharge from the hospital.

Intensive observations have been made upon 32 hospital patients not included in this manic-depressive study, also upon 8 outside patients who have been brought to the hospital for special examination. All admissions under Section 100 have received extra attention, as a means of making a contribution to an understanding of the case. Other hospital patients have been studied intensively for therapeutic

purposes. The case of C. H., studied by Miss Simpson, is worthy of special mention in this connection. This patient who was formerly a pharmacist, had slumped into lethargic state and was spending his time standing against the wall under the clock. It required patient and persistent effort to lead him to see that he still possessed the power to help himself, but he did finally respond. He is now at home with his family, regularly employed at outdoor work. When last seen at after-care clinic he appeared to be making good adjustment to his occupation, and he expressed deep gratitude to Miss Simpson for encouraging him to take up normal activities.

The two students from Smith College School for Social Work wrote their thesis under the supervision of this department. The material for both theses was drawn from the collection of manic-depressive studies referred to above. A special seminar was held for these students from December to March, with evening meetings every week for discussion of cases included in the study.

A very brief and simple course of lectures was given for the benefit of the pupil nurses and the students of the occupational therapy class. This course was intended to give the students a few essential definitions in elementary psychology, in order to help them to avoid certain popular errors as to the nature of psychology.

Although the manic-depressive study occupied most of the time that could be taken for research, we have still accomplished a little in the way of improving our tools for psychometric examination. In January the two assistants took turns going to the Danvers Schools, collecting material for two new tests which we wish to standardize. We obtained one hundred records from children ranging from six to fourteen years, and established tentative norms for the two tests. Neither of the tests is yet ready for publication, but both have been regularly used in this hospital for the past eight months. They are outstandingly useful among the tests we employ, because they enable us to adapt the psychometric examination to the individual patient. Further work on the standardization of the tests is in progress.

In September we were requested to examine pre-school children of Danvers, in order to determine their fitness for school entrance. Tests standardized in this hospital were used for this purpose, in large part. Tests which belong to our department have been used also in a group examination of about one hundred students of the Essex County Agricultural School.

The work of the department is fairly well organized for the coming year, but there is room for some enlargement of our activities, and it is desirable to employ one male assistant.

Respectfully submitted,

GRACE H. KENT,

Psychologist.

VALUATION

November 30, 1930

REAL ESTATE

Land, 517 acres	\$99,012.00
Buildings	2,669,011.01
	<hr/> \$2,768,023.01

PERSONAL PROPERTY

Travel, transportation and office expenses	\$4,155.83
Food	18,587.35
Clothing and materials	18,211.30
Furnishings and household supplies	101,882.68
Medical and general care	8,289.31
Heat, light and power	19,382.69
Farm	81,576.43
Garage, stables and grounds	6,835.69
Repairs.	33,773.92
	<hr/> \$292,795.20

SUMMARY

Real estate	\$2,768,023.01
Personal property	292,795.20
	<hr/> \$3,060,818.21

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1930.

CASH ACCOUNT	
<i>Income</i>	<i>Receipts</i>
Board of Patients	\$144,108.29
Personal Services:	
Reimbursement from Board of Retirement	267.74
Sales:	
Travel, transportation and office expenses	\$9.21
Food	676.65
Clothing and materials	284.75
Furnishings and household supplies	80.45
Medical and general care	98.92
Heat, light and power	43.50
Farm:	
Cows and calves	371.79
Pigs and hogs	6.71
Hides	61.13
Wood	192.00
Sundries	164.05
Garage, stable and grounds	138.07
Repairs, ordinary	45.70
Total Sales	\$2,172.93
Miscellaneous:	
Interest on bank balances	\$148.85
Rent	529.50
	678.35
Total Income	\$147,227.31
MAINTENANCE	
Balance from previous year, brought forward	\$15,469.98
Appropriations, current year	758,290.00
Total	\$773,759.98
Expenses (as analyzed below)	739,254.00
Balance reverting to Treasury of Commonwealth	\$34,505.98
Analysis of Expenses	
Personal services	\$345,982.14
Religious instruction	2,061.47
Travel, transportation and office expenses	8,256.05
Food	135,408.58
Clothing and materials	23,479.01
Furnishings and household supplies	39,943.26
Medical and general care	54,181.51
Heat, light and power	57,023.34
Farm	32,544.48
Garage, stable and grounds	5,452.34
Repairs ordinary	20,737.45
Repairs and renewals	14,184.37
Total expenses for Maintenance	\$739,254.00
SPECIAL APPROPRIATIONS	
Balance December 1, 1929	\$106,632.39
Appropriations for current year	212,000.00
Total	\$318,632.39
Expended during the year (see statement below)	\$144,026.11
Reverting to Treasury of Commonwealth	3.57
	144,029.68
Balance November 30, 1930 carried to next year.	\$174,602.71

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Nurses' homes	127 of 1928	\$143,000.00	\$63,875.69	\$140,697.18	\$2,302.82
Furnishings male attendants home	127 of 1928	4,700.00	22.59	4,699.14	.86*
Replacing certain elevators	127 of 1928	12,400.00	267.58	12,397.29	2.71*
Sewage disposal	146 of 1929	20,000.00	10,873.30	19,610.97	389.03
Remodeling gas house and Grove hall	146 of 1929	37,000.00	25,068.60	34,786.24	2,213.76
Power house and steam mains	146 of 1929	17,000.00	1,613.22	16,997.77	2.23
Officer's cottage	115 of 1930	6,000.00	-	-	6,000.00
Renovation of rear center	115 of 1930	200,000.00	36,305.34	36,305.34	163,694.66
Power house and steam mains (Addition to Chapt. 146, Acts of 1929)	115 of 1930	6,000.00	5,999.79	5,999.79	.21
		\$446,100.00	\$144,026.11	\$271,493.72	\$174,606.28

Balance reverting to Treasury of Commonwealth during year (mark items with *) . . \$3.57
Balance carried to next year 174,602.71

Total as above, \$174,606.28

PER CAPITA
During the year the average number of inmates has been 2,011.3.
Total cost of maintenance, \$739,254.00.
Equal to a weekly per capita cost of \$7.049.
Receipt from sales, \$2,172.93.
Equal to a weekly per capita of \$.02072.
All other institution receipts, \$145,054.38.
Equal to a weekly per capita of \$1.3832.
Net weekly per capita \$5.64508.

Respectfully submitted,
GLADYS E. LEACH,
Treasurer

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION
PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

Data correct at end of hospital year November 30, 1930.

1. Date of *opening* as a hospital for mental diseases, May 13, 1878.

2. Type of hospital: State.

3. Hospital plant:

Value of hospital property:

Real estate, including buildings	\$2,768,023.01
Personal property	292,795.20

Total

Total acreage of hospital property owned, 517.	\$3,060,818.21
--	----------------

Additional acreage rented, 150.

Total acreage under cultivation during previous year, 347.

4. Officers and employees

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	6	4	10	2	—	2
Clinical assistants	2	—	2	—	—	—
Total physicians	9	4	13	2	—	2
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	15	15	—	—	—
Other nurses and attendants	82	109	191	5	21	26
Occupational therapists	—	5	5	—	—	—
Social workers	—	3	3	—	—	—
All other officers and employees	82	59	141	1	—	1
Total officers and employees	167	191	358	6	21	27

NOTE: — The following items, 5-10 inclusive, are for the year ended September 30, 1930.

5. Census of patient population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
White:						
Insane	907	1,095	2,002	148	151	299
Mental defectives	1	—	1	—	—	—
All other cases	31	24	55	4	9	13
Total	939	1,119	2,058	152	160	312
Other Races:						
Insane	15	4	19	2	—	2
All other cases	—	1	1	—	—	—
Total	15	5	20	2	—	2
Grand Total	954	1,124	2,078	154	160	314

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report

M. 51 F. 100 T. 151

7. Other patients employed in general work of hospital on date of report

M. 545 F. 417 T. 962

8. Average daily number of all patients actually in hospital during year

M. 916.1 F. 1,080.5 T. 1,996.6

9. Voluntary patients admitted during year

M. 1 F. — T. 1

10. Persons given advice or treatment in out-patient clinics during year

M. 200 F. 181 T. 381

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table.

NOTE: — The following tables 3-19, inclusive, are for the Statistical year ended September 30, 1930.

TABLE 3. Movement of Patient Population

	INSANE			VOLUNTARY			TEMPORARY CARE			OBSERVATION			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of Institution Sept. 30, 1929	991	1,228	2,219	-	-	-	1	-	1	7	2	9	999	1,230	2,229
Admissions during year:															
First admissions	266	236	502	-	-	-	36	23	59	49	25	74	351	284	635
Readmissions	54	62	116	1	-	1	9	2	11	17	6	23	81	70	151
Transfers from other hospitals for mental diseases	16	15	31	-	-	-	-	-	-	1	-	1	17	15	32
Total received during year	336	313	649	1	-	1	45	25	70	67	31	98	449	369	818
Total on books during year	1,327	1,541	2,868	1	-	1	46	25	71	74	33	107	1,448	1,599	3,047
Discharged from books during year:															
As recovered	3	-	3	-	-	-	6	2	8	27	2	29	36	4	40
As improved	100	114	214	-	-	-	2	2	4	7	13	20	109	129	238
As unimproved	7	7	14	-	-	-	4	10	14	4	2	6	15	19	34
As without psychosis	1	-	1	1	-	1	24	7	31	16	8	24	42	15	57
Transferred to other hospitals for mental diseases	15	7	22	-	-	-	-	-	-	-	-	-	15	7	22
Died during year	111	133	244	-	-	-	9	2	11	3	6	9	123	141	264
Total discharged, transferred and died during year	237	261	498	1	-	1	45	23	68	57	31	88	340	315	655
Insane patients remaining on books of hospital at end of hospital year:															
In hospital	936	1,120	2,056	-	-	-	1	2	3	17	2	19	954	1,124	2,078
On parole or otherwise absent	154	160	314	-	-	-	-	-	-	-	-	-	154	160	314
Total	1,090	1,280	2,370	-	-	-	1	2	3	17	2	19	1,108	1,284	2,392

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY	PATIENTS			PARENTS OF MALE PARENTS			PARENTS OF FEMALE PARENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States	170	151	321	76	71	64	76	80	68
Austria	1	2	3	1	2	1	2	2	2
Belgium	1	—	1	1	1	1	1	—	—
Canada ¹	32	26	58	45	52	42	44	40	35
Denmark	—	1	1	—	—	—	1	—	—
England	6	7	13	12	9	5	12	12	9
Firland	1	—	1	1	1	1	—	—	—
Germany	1	2	3	3	2	2	3	3	3
Greece	8	3	11	8	8	7	5	3	3
Holland	—	—	—	—	1	—	—	—	—
Ireland	17	24	41	47	48	42	39	41	36
Italy	6	7	13	17	16	16	15	15	15
Norway	1	—	1	1	1	1	—	—	—
Poland	4	4	8	5	4	4	5	5	5
Portugal	1	—	1	2	2	2	1	2	1
Roumania	1	—	1	1	—	—	—	—	—
Russia	5	4	9	8	8	7	7	7	7
Scotland	2	1	3	4	6	4	4	—	—
Sweden	1	2	3	6	4	4	4	4	3
Turkey in Asia	1	—	1	—	1	—	—	—	—
Turkey in Europe	1	1	2	—	1	—	1	2	1
Other countries	6	—	6	7	6	6	—	—	—
Unascertained	—	1	1	21	22	18	16	20	15
Total	266	236	502	266	266	227	236	236	203

¹Includes Newfoundland.

TABLE 4-A. Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born.

AGE GROUPS	NATIVE BORN				FOREIGN BORN				Nativity unascertained	
	Aggregate	PERCENTAGE			TIME IN UNITED STATES BEFORE ADMISSION					
		Total	Native	Foreign	Mixed	Unascertained	Total			
							Under 5 years	5-9 years		10-14 years	15 years and over
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
Under 15 years	2 3 5	2 3 5	1 1 2	1 3 5	-	-	-	-	-	-
15-19 years	18 8 26	18 8 26	10 4 14	2 3 5	-	-	-	-	-	-
20-24 years	21 20 41	18 19 37	5 10 15	2 6 11	-	-	-	-	3 1 4	-
25-29 years	15 16 31	12 12 24	7 9 17	2 1 3	1 1 2	-	-	-	3 4 7	-
30-34 years	20 22 42	14 16 30	9 8 17	3 2 5	-	-	-	-	6 6 12	-
35-39 years	20 24 44	12 9 21	5 2 7	2 4 6	1 1 2	-	-	-	8 15 23	-
40-44 years	25 11 36	12 7 19	4 1 5	2 1 3	1 1 2	-	-	-	13 4 17	-
45-49 years	30 22 52	14 12 26	1 5 6	4 1 5	3 3 6	-	-	-	16 10 26	-
50-54 years	17 22 39	9 9 18	3 3 6	2 2 4	1 1 2	-	-	-	8 13 21	-
55-59 years	21 14 35	16 8 24	5 5 10	1 2 3	4 4 8	-	-	-	5 5 10	-
60-64 years	20 18 38	9 11 20	4 1 5	2 1 3	1 1 2	-	-	-	11 7 18	-
65-69 years	16 10 26	8 6 14	3 1 4	1 1 2	1 1 2	-	-	-	8 4 12	-
70 years and over	41 46 87	26 31 57	6 4 10	4 3 7	2 4 6	-	-	-	15 15 30	-
Unascertained	-	-	-	-	-	-	-	-	-	-
Total	266 236 502	170 151 321	62 68 130	31 26 57	14 10 24	96 85 181	- 1 1	96 83 179	- 1 1	-

TABLE 5. *Citizenship of First Admissions.*

	Males	Females	Total
Citizens by birth	170	151	321
Citizens by naturalization	27	18	45
Aliens	24	19	43
Citizenship unascertained	45	48	93
Total	266	236	502

TABLE 6. *Psychoses of First Admissions.*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses				1	—	1
2. Senile psychoses				18	35	53
3. Psychoses with cerebral arteriosclerosis				56	31	87
4. General paralysis				25	7	32
5. Psychoses with cerebral syphilis				1	—	1
6. Psychoses with Huntington's chorea				—	1	1
7. Psychoses with brain tumor				1	—	1
8. Psychoses with other brain or nervous diseases, total				4	6	10
Other diseases	4	6	10			
9. Alcoholic psychoses, total				26	5	31
Delirium tremens	—	1	1			
Korsakow's psychosis	1	—	1			
Acute hallucinosis	8	—	8			
Other types, acute or chronic	17	4	21			
10. Psychoses due to drugs and other exogenous toxins, total				—	1	1
Other exogenous toxins	—	1	1			
11. Psychoses with pellagra				1	—	1
12. Psychoses with other somatic diseases, total				5	7	12
Exhaustion delirium	—	1	1			
Cardio-renal diseases	—	1	1			
Other diseases or conditions	5	5	10			
13. Manic-depressive psychoses, total				16	27	43
Manic type	3	10	13			
Depressive type	10	15	25			
Other types	3	2	5			
14. Involution melancholia				2	10	12
15. Dementia praecox (schizophrenia)				55	52	107
16. Paranoia and paranoid conditions				9	1	10
17. Epileptic psychoses				8	1	9
18. Psychoneuroses and neuroses, total				3	6	9
Hysterical type	2	2	4			
Psychasthenic type (anxiety and obsessive forms)	—	2	2			
Neurasthenic type	1	2	3			
19. Psychoses with psychopathic personality				2	—	2
20. Psychoses with mental deficiency				12	24	36
21. Undiagnosed psychoses				19	22	41
22. Without psychosis, total				2	—	2
Psychopathic personality without psychosis	2	—	2			
Total				266	236	502

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses.*

RACE	Total			Traumatic			Senile			With cerebral arterio-sclerosis			General paralysis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
English	61	76	137	1	—	1	4	14	18	19	15	34	7	3	10
Finnish	2	—	2	—	—	—	1	—	1	—	—	—	—	—	—
French	24	21	45	—	—	—	—	1	1	3	—	3	4	2	6
German	2	3	5	—	—	—	—	2	2	1	—	1	—	—	—
Greek	9	4	13	—	—	—	—	—	—	1	—	1	2	—	2
Hebrew	6	4	10	—	—	—	—	—	—	—	—	—	—	—	—
Irish	49	47	96	—	—	—	3	4	7	11	9	20	3	1	4
Italian ¹	17	16	33	—	—	—	—	1	1	4	1	5	1	—	1
Lithuanian	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	2	2	4	—	—	—	—	—	—	1	—	1	1	—	1
Scandinavian ²	7	4	11	—	—	—	—	—	—	1	—	1	—	—	—
Scotch	4	4	8	—	—	—	1	—	1	2	1	3	—	—	—
Slavonic ³	9	8	17	—	—	—	1	1	2	1	—	1	—	—	—
Syrian	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Turkish	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
Other specific races	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	61	38	99	—	—	—	6	8	14	12	4	16	7	1	8
Race unascertained	3	6	9	—	—	—	2	3	5	—	1	1	—	—	—
Total	266	236	502	1	—	1	18	35	53	56	31	87	25	7	32

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE	With cerebral syphilis			With Huntington's chorea			With brain tumor			With other brain or nervous diseases			Alcoholic			Due to drugs and other exogenous toxins		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	1	1	—	—	—	—	1	1	—	5	2	7	—	—	—
Finnish	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
French	—	—	—	—	—	—	—	—	—	1	2	3	2	1	3	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Hebrew	—	—	—	—	—	—	1	—	1	1	—	1	1	—	1	—	—	—
Irish	—	—	—	—	—	—	—	—	—	—	—	—	8	—	8	—	1	1
Italian ¹	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Turkish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	—	1	—	—	—	—	—	—	1	—	1	5	1	6	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1	—	1	—	1	1	1	—	1	4	6	10	26	5	31	—	1	1

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE	With pellagra			With other somatic diseases			Manic-depressive			Involution melancholia			Dementia praecox			Paranoia and paranoid conditions		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Chinese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	1	1	2	5	10	15	—	3	3	8	10	18	2	—	2
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	—	—	—	1	—	1	1	3	4	—	1	1	4	5	9	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	2	2	—	—	—	2	1	3	2	—	2
Hebrew	—	—	—	—	—	—	—	2	2	—	—	—	2	—	2	—	—	—
Irish	1	—	1	—	1	1	2	4	6	1	4	5	10	17	27	3	1	4
Italian ¹	—	—	—	—	2	2	—	2	2	—	—	—	6	3	9	—	—	—
Lithuanian	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
Portuguese	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	1	1	2	—	—	—	2	1	3	2	—	2
Scotch	—	—	—	—	—	—	—	1	1	—	1	1	1	1	2	—	—	—
Slavonic ³	—	—	—	—	—	—	—	—	—	—	—	—	2	3	5	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Mixed	—	—	—	1	3	4	6	2	8	1	1	2	14	9	23	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3	—	—	—
Total	1	—	1	5	7	12	16	27	43	2	10	12	55	52	107	9	1	10

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

RACE	Epileptic psychoses			Psycho-neuroses and neuroses			With psychopathic personality			With mental deficiency			Undiagnosed psychoses			Without psychosis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	1	1	2	—	1	1	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	1	—	1	2	4	6	1	—	1	—	4	4	4	8	12	1	—	1
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	2	—	2	—	—	—	—	—	—	2	4	6	4	2	6	—	—	—
German	—	—	—	—	—	—	—	—	—	—	1	1	1	—	1	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	1	1	2	—	1	1	—	—	—
Irish	2	—	2	1	1	2	—	—	—	2	2	4	2	2	4	—	—	—
Italian ¹	1	—	1	—	—	—	—	—	—	3	2	5	2	4	6	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Portuguese	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	1	—	1	—	—	—	—	—	—	1	2	3	1	1	2	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	—	1	—	1	1	1	—	1	2	6	8	2	2	4	1	—	1
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8	1	9	3	6	9	2	—	2	12	24	36	19	22	41	2	—	2

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES	Total			Under 15 years			15—19 years			20—24 years			25—29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	18	35	53	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	56	31	87	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	25	7	32	—	—	—	—	—	—	1	—	1	—	—	—
5. With cerebral syphilis	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	6	10	—	1	1	—	1	1	—	1	1	—	1	1
9. Alcoholic	26	5	31	—	—	—	—	—	—	—	—	—	1	—	1
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	5	7	12	—	—	—	—	—	—	—	2	2	—	—	—
13. Manic-depressive	16	27	43	1	—	1	—	—	—	3	3	6	—	1	1
14. Involunt melancholia	2	10	12	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox	55	52	107	—	1	1	12	2	14	10	6	16	11	11	22
16. Paranoia and paranoid conditions	9	1	10	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	8	1	9	—	—	—	1	—	1	1	1	2	1	—	1
18. Psychoneuroses and neuroses	3	6	9	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	2	—	2	—	—	—	1	—	1	—	—	—	—	—	—
20. With mental deficiency	12	24	36	—	1	1	1	3	4	5	5	10	—	3	3
21. Undiagnosed psychoses	19	22	41	—	—	—	2	2	4	1	2	3	2	—	2
22. Without psychosis	2	—	2	—	—	—	1	—	1	—	—	—	—	—	—
Total	266	236	502	2	3	5	18	8	26	21	20	41	15	16	31

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued.*

PSYCHOSES	30—34 years			35—39 years			40—44 years			45—59 years			50—54 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
3. With cerebral arteriosclerosis	—	—	—	1	—	1	—	—	—	2	—	2	2	2	4
4. General paralysis	2	—	2	3	1	4	5	—	5	6	2	8	1	1	2
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	1	—	1	1	—	1	2	—	2	—	—	—
9. Alcoholic	2	—	2	4	1	5	4	—	4	3	—	3	5	1	6
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
11. With pellagra	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
12. With other somatic diseases	1	1	2	—	1	1	1	—	1	2	1	3	—	1	1
13. Manic-depressive	1	3	4	—	5	5	1	1	2	3	4	7	4	4	8
14. Involunt melancholia	—	1	1	1	2	3	—	2	2	—	1	1	1	2	3
15. Dementia praecox	5	6	11	6	8	14	5	4	9	5	8	13	—	3	3
16. Paranoia and paranoid conditions	1	—	1	1	1	2	1	—	1	4	—	4	1	—	1
17. Epileptic psychoses	1	—	1	2	—	2	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	2	1	3	—	1	1	—	1	1	1	—	1	—	1	1
19. With psychopathic personality	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
20. With mental deficiency	4	4	8	—	2	2	1	1	2	1	3	4	—	1	1
21. Undiagnosed psychoses	1	6	7	1	2	3	4	2	6	—	2	2	3	5	8
22. Without psychosis	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Total	20	22	42	20	24	44	25	11	36	30	22	52	17	22	39

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

PSYCHOSES	55—59 years			60—64 years			65—69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	—	—	—	—	—	—
2. Senile	—	2	2	2	2	4	3	2	5	13	28	41
3. With cerebral arteriosclerosis	8	2	10	10	5	15	10	4	14	23	18	41
4. General paralysis	1	1	2	4	2	6	1	—	1	1	—	1
5. With cerebral syphilis	—	—	—	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	2	2	—	—	—	—	—	—
9. Alcoholic	4	1	5	1	1	2	1	1	2	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	—	1	—	1	1	—	—	—	—	—	—
13. Manic-depressive	3	3	6	—	2	2	—	1	1	—	—	—
14. Involution melancholia	—	1	1	—	1	1	—	—	—	—	—	—
15. Dementia præcox	1	2	3	—	1	1	—	—	—	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	1	—	1
17. Epileptic psychoses	—	—	—	1	—	1	—	—	—	1	—	1
18. Psychoneuroses and neuroses	—	1	1	—	—	—	—	1	1	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	—	—	—	—	—	—	—	1	1	—	—	—
21. Undiagnosed psychoses	2	—	2	1	1	2	1	—	1	1	—	1
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	21	14	35	20	18	38	16	10	26	41	46	87

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses.

Psychoses	Total			Illiterate	Reads and writes ¹	Common School		High School	College	Unascertained											
	Total		M.			F.	T.														
	M.	F.									T.										
1. Traumatic	1	—	1	—	—	—	—	1	—	—	M. F. T.										
2. Senile	18	35	53	3	3	6	—	—	—	—	—										
3. With cerebral arteriosclerosis	56	31	87	6	5	11	1	6	1	2	3 9 12										
4. General paralysis	25	7	32	1	1	2	4	8	—	2	9 3 12										
5. With cerebral syphilis	1	—	1	—	—	—	4	6	14	—	2										
6. With Huntington's chorea	1	1	1	—	—	—	—	—	—	—	—										
7. With brain tumor	1	—	1	1	1	2	—	—	—	—	—										
8. With other brain or nervous diseases	4	6	10	1	1	2	—	—	—	—	—										
9. Alcoholic	26	5	31	1	1	2	1	1	1	—	1 1 7										
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	—	—	—	—										
11. With pellagra	1	—	1	1	1	2	—	—	—	—	—										
12. With other somatic diseases	5	7	12	1	1	2	—	—	—	—	—										
13. Manic-depressive	16	27	43	—	—	—	1	2	2	1	1 1 1										
14. Involution melancholia	2	10	12	—	—	—	—	2	2	1	1 1 1										
15. Dementia praecox	55	52	107	—	—	—	4	27	12	3	5 5 10										
16. Paranoia and paranoid conditions	9	1	10	—	—	—	1	7	3	1	1 1 1										
17. Epileptic psychoses	8	1	9	—	—	—	—	1	1	—	—										
18. Psychoneuroses and neuroses	3	6	9	—	—	—	—	6	1	1	—										
19. With psychopathic personality	2	—	2	1	—	1	—	4	1	1	—										
20. With mental deficiency	12	24	36	3	4	7	1	21	2	—	1 2 3										
21. Undiagnosed psychoses	19	22	41	2	2	2	3	17	3	2	1 1 2										
22. Without psychosis	2	—	2	—	—	—	—	2	—	—	—										
Total	266	236	502	20	16	36	12	11	23	157	137	294	37	42	79	10	8	18	30	22	52

¹Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	1	—	1	—	—	—
2. Senile	18	35	53	18	33	51	—	2	2
3. With cerebral arteriosclerosis	56	31	87	54	30	84	2	1	3
4. General paralysis	25	7	32	25	7	32	—	—	—
5. With cerebral syphilis	1	—	1	1	—	1	—	—	—
6. With Huntington's chorea	—	1	1	—	1	1	—	—	—
7. With brain tumor	1	—	1	1	—	1	—	—	—
8. With other brain or nervous diseases	4	6	10	4	6	10	—	—	—
9. Alcoholic	26	5	31	26	5	31	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	1	1	—	—	—
11. With pellagra	1	—	1	1	—	1	—	—	—
12. With other somatic diseases	5	7	12	5	7	12	—	—	—
13. Manic-depressive	16	27	43	16	26	42	—	1	1
14. Involution melancholia	2	10	12	2	10	12	—	—	—
15. Dementia praecox	55	52	107	53	51	104	2	1	3
16. Paranoia and paranoid conditions	9	1	10	9	1	10	—	—	—
17. Epileptic psychoses	8	1	9	8	1	9	—	—	—
18. Psychoneuroses and neuroses	3	6	9	3	6	9	—	—	—
19. With psychopathic personality	2	—	2	2	—	2	—	—	—
20. With mental deficiency	12	24	36	12	24	36	—	—	—
21. Undiagnosed psychoses	19	22	41	17	21	38	2	1	3
22. Without psychosis	2	—	2	2	—	2	—	—	—
Total	266	236	502	260	230	490	6	6	12

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
2. Senile	18	35	53	3	13	16	15	21	36	—	1	1	—	—	—
3. With cerebral arterio- sclerosis	56	31	87	89	5	14	45	25	70	1	—	1	1	1	2
4. General paralysis	25	7	32	3	3	6	22	4	26	—	—	—	—	—	—
5. With cerebral syphilis	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
7. With brain tumor	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nerv- ous diseases	4	6	10	1	3	4	3	2	5	—	1	1	—	—	—
9. Alcoholic	26	5	31	2	1	3	24	3	27	—	1	1	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
11. With pellagra	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
12. With other somatic dis- eases	5	7	12	—	1	1	5	6	11	—	—	—	—	—	—
13. Manic-depressive	16	27	43	3	4	7	11	23	34	2	—	2	—	—	—
14. Involution melancholia	2	10	12	—	1	1	2	9	11	—	—	—	—	—	—
15. Dementia praecox	55	52	107	10	10	20	45	40	85	—	1	1	—	1	1
16. Paranoia and paranoid conditions	9	1	10	1	—	1	8	1	9	—	—	—	—	—	—
17. Epileptic psychoses	8	1	9	3	—	3	5	1	6	—	—	—	—	—	—
18. Psychoneuroses and neu- roses	3	6	9	1	3	4	2	3	5	—	—	—	—	—	—
19. With psychopathic per- sonality	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—
20. With mental deficiency	12	24	36	4	9	13	8	15	23	—	—	—	—	—	—
21. Undiagnosed psychoses	19	22	41	2	2	4	17	19	36	—	1	1	—	—	—
22. Without psychosis	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—
Total	266	236	502	46	55	101	216	174	390	3	5	8	1	2	3

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	*M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
2. Senile	18	35	53	15	32	47	3	2	5	—	1	1	—	—	—
3. With cerebral arterio-sclerosis	56	31	87	38	31	69	12	—	12	4	—	4	2	—	2
4. General paralysis	25	7	32	14	6	20	8	—	8	3	1	4	—	—	—
5. With cerebral syphilis	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	6	10	3	6	9	1	—	1	—	—	—	—	—	—
9. Alcoholic	26	5	31	—	—	—	—	—	—	26	5	31	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
11. With pellagra	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
12. With other somatic diseases	5	7	12	3	5	8	2	1	3	—	—	—	—	1	1
13. Manic-depressive	16	27	43	11	24	35	2	—	2	3	—	3	—	3	3
14. Involution melancholia	2	10	12	—	9	9	1	—	1	1	1	2	—	—	—
15. Dementia praecox	55	52	107	45	49	94	8	2	10	2	—	2	—	1	1
16. Paranoia and paranoid conditions	9	1	10	7	1	8	2	—	2	—	—	—	—	—	—
17. Epileptic psychoses	8	1	9	6	1	7	2	—	2	—	—	—	—	—	—
18. Psychoneuroses and neuroses	3	6	9	1	5	6	1	1	2	—	—	—	1	—	1
19. With psychopathic personality	2	—	2	1	—	1	—	—	—	1	—	1	—	—	—
20. With mental deficiency	12	24	36	10	23	33	1	—	1	—	—	—	1	1	2
21. Undiagnosed psychoses	19	22	41	12	22	34	5	—	5	2	—	2	—	—	—
22. Without psychosis	2	—	2	2	—	2	—	—	—	—	—	—	—	—	—
Total	266	236	502	170	216	386	48	6	54	44	8	52	4	6	10

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES	Total		Single		Married		Widowed		Separated	Divorced	Unascertained
	M.	F.	T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.			
1. Traumatic	1	—	1	—	1	—	—	—	—	—	M. F. T.
2. Senile	18	35	53	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	56	31	87	10	14	6	7	18	1	—	—
4. General paralysis	25	7	32	7	11	7	41	25	1	1	—
5. With cerebral syphilis	1	—	1	3	4	2	20	31	3	1	4
6. With Huntington's chorea	1	—	1	1	—	—	—	4	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	—	1	—	—	—	—	—	—	—	—
9. Alcoholic	4	6	10	1	6	4	—	—	—	—	—
10. Due to drugs and other exogenous toxins	26	5	31	10	11	10	3	1	2	—	—
11. With pellagra	—	1	1	—	—	—	—	—	—	—	1
12. With other somatic diseases	5	7	12	—	—	—	—	—	—	—	—
13. Manic-depressive	16	27	43	5	4	9	11	5	—	—	—
14. Involution melancholia	2	10	12	1	2	3	18	27	—	—	—
15. Dementia praecox	55	52	107	44	25	69	6	2	—	—	—
16. Paranoia and paranoid conditions	9	1	10	2	1	3	24	1	—	—	—
17. Epileptic psychoses	8	1	9	5	1	6	7	2	—	—	—
18. Psychoneuroses and neuroses	3	6	9	1	3	3	—	3	—	—	—
19. With psychopathic personality	2	2	4	2	2	—	—	—	—	—	—
20. With mental deficiency	12	24	36	11	17	28	1	—	—	—	—
21. Undiagnosed psychoses	19	22	41	7	14	21	6	7	—	1	1
22. Without psychosis	2	—	2	1	—	1	10	2	—	—	—
Total	266	236	502	106	83	189	121	31	2	5	1
								54	1	3	—
								85	8	—	—

TABLE 14. *Psychoses of Readmissions.*

PSYCHOSES	Males	Females	Total
1. Traumatic psychoses	1	—	1
2. Senile psychoses	1	2	3
3. Psychoses with cerebral arteriosclerosis	1	1	2
4. General paralysis	5	1	6
5. Psychoses with cerebral syphilis	—	1	1
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	1	2	3
9. Alcoholic psychoses	5	—	5
10. Psychoses due to drugs and other exogenous toxins	—	—	—
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	—	2	2
13. Manic-depressive psychoses	9	23	32
14. Involution melancholia	2	2	4
15. Dementia praecox	19	15	34
16. Paranoia and paranoid conditions	1	3	4
17. Epileptic psychoses	—	—	—
18. Psychoneuroses and neuroses	1	4	5
19. Psychoses with psychopathic personality	1	1	2
20. Psychoses with mental deficiency	2	2	4
21. Undiagnosed psychoses	5	3	8
22. Without psychosis	—	—	—
Total	54	62	116

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge.*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	1	—	1	—	—	—
2. Senile	2	1	3	1	—	1	1	1	2	—	—	—
3. With cerebral arteriosclerosis	6	10	16	—	—	—	6	9	15	—	1	1
4. General paralysis	2	2	4	—	—	—	1	2	3	1	—	1
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	2	3	—	—	—	1	2	3	—	—	—
9. Alcoholic	20	3	23	1	—	1	18	3	21	1	—	1
10. Due to drugs and other exogenous toxins	1	1	2	—	—	—	—	1	1	1	—	1
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	4	5	—	—	—	1	3	4	—	1	1
13. Manic-depressive	22	39	61	1	—	1	20	36	56	1	3	4
14. Involution melancholia	4	10	14	—	—	—	4	10	14	—	—	—
15. Dementia praecox	33	35	68	—	—	—	31	33	64	2	2	4
16. Paranoia and paranoid conditions	3	3	6	—	—	—	3	3	6	—	—	—
17. Epileptic psychoses	3	1	4	—	—	—	2	1	3	1	—	1
18. Psychoneuroses and neuroses	—	2	2	—	—	—	—	2	2	—	—	—
19. With psychopathic personality	3	2	5	—	—	—	3	2	5	—	—	—
20. With mental deficiency	5	3	8	—	—	—	5	3	8	—	—	—
21. Undiagnosed psychoses	3	3	6	—	—	—	3	3	6	—	—	—
22. Without psychosis	1	—	1	—	—	—	—	—	—	—	—	—
Total	111	121	232	3	—	3	100	114	214	7	7	14

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.

CAUSES OF DEATH	Involution melancholia		Dementia praecox		Paranoia or paranoid conditions		Epileptic psychoses		Psycho- neuroses and neuroses		With psychopathic personality		with mental deficiency		All other psychoses			
<i>Epidemic, Endemic and Infectious Diseases</i>	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Influenza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Erysipelas	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system	-	2	2	4	4	8	-	-	-	-	-	-	-	-	-	2	2	2
Syphilis (non-nervous forms)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Purulent infection, septicaemia	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>General Diseases not Included in Class I</i>																		
Cancer and other malignant tumors	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	1	-	1
<i>Diseases of the Nervous System</i>																		
Cerebral hemorrhage, apoplexy	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-
General paralysis of the insane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other forms of mental disease	-	1	1	1	6	7	1	1	-	-	-	-	-	-	-	-	-	-
Epilepsy	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
Other diseases of the nervous system	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
<i>Diseases of the Circulatory System</i>																		
Endocarditis and myocarditis	-	-	-	2	3	5	-	-	1	-	-	-	1	-	1	3	1	4
Arteriosclerosis	-	-	-	1	3	4	-	-	-	-	-	-	1	-	1	-	-	-
Other diseases of the circulatory system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System</i>																		
Bronchopneumonia	-	1	1	1	2	3	-	-	-	-	-	-	-	-	-	-	1	1
Lobar pneumonia	-	-	-	1	1	2	-	-	-	-	-	-	1	1	2	1	1	2
Other diseases of the respiratory system (tuberculosis excepted)	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
<i>Diseases of the Digestive System</i>																		
Diarrhea and enteritis	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Hernia and intestinal obstruction	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia</i>																		
Nephritis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
Diseases of bladder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and of the Cellular Tissue</i>																		
Other diseases of skin and annæxa	-	-	-	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-
<i>External Causes</i>																		
Suicide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental poisoning	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental traumatism	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Total	-	8	8	11	25	36	-	1	1	2	-	2	4	1	5	11	7	18

Includes group 22 "without psychosis."

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses.

PSYCHOSES		Total			Under 15 years		15-19 years		20-24 years		25-29 years		30-34 years		35-39 years	
		M.	F.	T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.
1. Traumatic	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	.	13	35	48	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	.	43	36	79	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	.	21	8	29	-	-	-	-	-	-	1	1	1	1	2	1
5. With cerebral syphilis	.	3	-	3	-	-	-	-	-	-	-	-	-	-	-	3
6. With Huntington's chorea	.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	.	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	.	2	3	5	-	-	-	-	-	-	-	-	-	-	1	1
9. Alcoholic	.	5	2	7	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	.	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	.	1	9	10	-	-	-	-	-	-	-	-	-	-	1	1
13. Manic-depressive	.	-	8	8	-	-	-	-	-	-	-	-	-	-	1	1
14. Involution melancholia	.	11	25	36	-	-	-	-	1	1	2	3	5	2	2	2
15. Dementia praecox	.	-	1	1	-	-	-	-	-	-	-	-	1	1	-	-
16. Paranoia and paranoid conditions	.	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	.	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	.	3	1	4	-	-	-	1	1	-	-	-	1	1	-	-
21. Undiagnosed psychoses	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	.	111	133	244	-	-	-	1	1	1	1	2	2	3	5	8

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded.

PSYCHOSES	40-44 years			45-49 years			50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2. Senile	-	1	1	-	-	-	-	1	1	1	1	4	3	3	9	20	38				
3. With cerebral arteriosclerosis	-	-	-	-	2	5	-	1	1	1	1	13	5	9	14	22	21	43			
4. General paralysis	5	1	6	3	2	5	3	1	4	5	1	6	1	1	1	-	-	-			
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	1	1	1	2	2	-	-	-	-			
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-			
7. With brain tumor	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-			
8. With other brain or nervous diseases	-	-	-	1	1	1	1	-	-	-	-	-	2	1	3	-	1	1			
9. Alcoholic	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12. With other somatic diseases	-	-	-	2	-	-	-	-	-	1	1	1	-	1	1	-	3	3			
13. Manic-depressive	-	-	-	-	1	1	-	1	1	1	1	1	1	1	1	-	4	5			
14. Involution melancholia	-	1	1	-	2	2	-	3	3	1	2	3	-	3	1	1	4	5			
15. Dementia praecox	1	3	4	2	4	6	-	-	-	-	-	-	-	-	-	1	1	1			
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-			
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
20. With mental deficiency	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-			
21. Undiagnosed psychoses	-	-	-	-	-	-	1	-	-	-	1	1	-	-	-	-	-	-			
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total	7	6	13	11	9	20	7	8	15	13	12	25	16	13	29	14	13	27			
																33	59	92			

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principa Psychoses — Concluded.*

PSYCHOSES	5-6 years		7-8 years		9-10 years		11-12 years		13-14 years		15-19 years		20 years and over		
	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2. Senile	-	2	-	4	-	-	-	1	1	-	-	1	1	-	
3. With cerebral arteriosclerosis	-	-	-	4	-	-	-	-	-	-	-	-	-	-	
4. General paralysis	-	-	1	2	-	-	-	-	-	-	-	-	-	-	
5. With cerebral syphilis	2	3	-	-	-	-	1	-	-	-	-	-	-	-	
6. With Huntington's chorea.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
9. Alcoholic	1	-	-	-	-	-	1	-	-	-	1	1	2	1	
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12. With other somatic diseases	-	-	-	-	-	-	-	2	2	-	-	-	-	-	
13. Manic-depressive	-	1	1	-	-	-	-	-	1	1	-	1	1	1	
14. Involution melancholia	-	-	-	-	-	1	1	-	1	-	-	-	-	2	
15. Dementia praecox	1	3	4	-	-	-	1	2	3	-	1	-	1	4	
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20. With mental deficiency	-	1	1	-	-	-	-	-	-	1	-	-	-	-	
21. Undiagnosed psychoses	-	-	-	1	-	-	-	-	-	-	-	-	-	1	
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	4	9	13	2	8	10	-	1	1	3	6	9	1	3	4
													2	3	5
					</										

TABLE 19. *Family Care Department.*

	Males	Females	Total
Remaining in Family Care October 1, 1929	—	17	17
On visit from Family Care October 1, 1929	—	—	—
Admitted during year	—	3	3
Whole number of cases within the year	—	20	20
Dismissed within the year	—	—	—
Returned to institution	—	6	6
Discharged	—	—	—
Died	—	—	—
On visit	—	—	—
Remaining in Family Care September 30, 1930	—	14	14
Supported by State	—	13	13
Private	—	1	1
Self-supporting	—	—	—
Number of different persons within the year	—	20	20
Number of different persons dismissed	—	—	—
Number of different persons admitted	—	—	—
Average Daily Number in Family Care during the year	—	15.4	15.4
Supported by State	—	13.5	13.5
Private	—	1.9	1.9
Self-supporting	—	—	—



The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1931

DEPARTMENT OF MENTAL DISEASES



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CLARENCE A. BONNER, M.D., *Superintendent*
EDGAR C. YERBURY, M.D., *Assistant Superintendent*
SALOMON GAGNON, M.D., *Senior Physician*
HENRY A. TADGELL, M.D., *Senior Physician*
ANNA M. ALLEN, M.D., *Senior Physician, Pathologist*
CAROL SCHWARTZ, M.D., *Assistant Physician.*
CHARLES C. JOYCE, M.D., *Assistant Physician*
VELMA H. ATKINSON, M.D., *Assistant Physician*
DORIS M. SIDWELL, M.D., *Assistant Physician*
H. ARCHER BERMAN, M.D., *Assistant Physician*
MARTHA G. WILSON, M.D., *Assistant Physician*
EVELYN ALPERN, M.D., *Assistant Physician*
HUGH WILSON O'NEILL, M.D., *Assistant Physician*
PHILIP F. HILTON, M.D., *Assistant Physician*
MYER BLOOM, M.D., *Assistant Physician*

HEADS OF DEPARTMENTS

MR. ARTHUR E. REED, *Supervisor, Male Department*
MISS OLIVE F. ESTEY, R.N., *Principal of School of Nursing*
MISS MARY H. HOLLAND, *Head Social Worker*
MISS GRACE MANNING, R.N., *Supervisor, Female Department*
MR. SAMUEL A. CLARK, *Chief Engineer*
MR. WILLIAM GORDON, *Head Farmer*
MR. CARLTON B. MOSHER, *Foreman Mechanic*
MISS GWYNNE DRESSER, *Head Occupational Therapist*
MR. ADAM D. SMITH, *Steward*
MISS GLADIS E. LEACH, *Treasurer*

CONSULTING PHYSICIANS

S. CHASE TUCKER, M.D., *Surgeon*
PHILIP R. DWYER, M.D., *Ophthalmologist*
JOHN D. ADAMS, M.D., *Orthopedic Surgeon*
RALPH E. STONE, M.D., *Internist*

TRUSTEES' REPORT

To His Excellency the Governor and the Honorable Council:

Regular meetings of the Board have taken place the second Thursday of each month. At these meetings a careful review of all activities are presented by the Superintendent and regular visits are made to the wards.

It has been the policy of the Institution to pursue continually a progressive program of upkeep, and thus we find all buildings in a good state of repair. The wards have all been freshly painted and all outside buildings in need have been repainted.

Last year we were enabled to report the completion of a new Nurses' Home which was a very much needed and valuable addition. This year it is our pleasure to report the completion of a new kitchen, dining room for patients, and another for employees. The building is well constructed and food service to the patients and employees will be markedly improved. It will be several months before the equip-

ment can be procured but we are now assured of excellent kitchen and dining room facilities to be operated in cafeteria style.

A new officer's cottage also has been completed and will soon be ready for occupancy.

Other achievements are the renewal of lighting lines, the installation of an electrical clock system, repair of all roadways and the relocation and replacement of hydrants which were too close to the building. Two wards have been reconstructed with fireproof floors and new linoleum.

The medical service has been active in its supervision and care of the patients and a new X-ray machine has been procured which is very satisfactory and also a newly equipped physical therapy department. The staff has cooperated with the courts in the examinations required and has also instituted out-patient clinics in the towns in its district.

Again we feel that the patients have been given kindly and efficient care and that the hospital has creditably fulfilled its obligations.

Respectfully submitted,

S. HERBERT WILKINS, *Chairman*

DR. ARTHUR C. NASON

HON. JAMES F. INGRAHAM

MR. W. W. LAWS

MRS. ANNA P. MARSH

MISS ANNIE T. FLAGG

MR. ALBION L. DANFORTH

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-fourth annual report of the Superintendent for the fiscal year ending November 30, 1931 is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1931.

MOVEMENT OF POPULARION

The hospital year opened on October 1, 1930 with 2,073 patients in the hospital, 287 on visit, 13 on escape, and 14 in Family Care, making a total of 2,392.

The year ended on September 30, 1931 with 2,053 patients in the hospital, 245 on visit, 11 on escape, and 13 in Family Care, making a total of 2,322.

The number of admissions during the year: 488 male; 372 female; total 860, an increase of 42 over the preceding year.

There were 4 voluntary patients admitted during the past year; 3 male, and 1 female; 29 patients were transferred from other institutions; 106 men and 37 women were admitted on temporary care papers; and 73 men and 34 women were admitted on 35-day observation papers, with no other status.

FIRST ADMISSIONS

There were 644 patients admitted to this or any hospital for the first time, which is an increase of 9 over the preceding year.

DAILY POPULATION

The total average population for the year ending September 30, 1931 was 2,035, an increase of 38.4 over last year. There were 3,252 patients treated during the year, as compared with 3,047 in 1930.

295 patients died in the institution during the year, which is 31 more than the preceding year.

DISMISSALS

456 patients were discharged from the institution during the past year; 270 men and 186 women. Classified as to their condition on discharge: 62 as recovered; 268 as improved; 40 as unimproved; and 86 as not insane. The figures for the preceding year were as follows: 40 as recovered; 238 as improved; 34 as unimproved; and 57 as not insane.

On September 30, 1931 there were 245 patients on trial visit, in care of friends, or under hospital supervision, as compared with 287 in 1930.

Since the organization of the hospital, 30,442 patients have been admitted, and 28,120 discharged.

MEDICAL ADMINISTRATION

The following changes in personnel of the Staff occurred during the year:

Appointments

Dr. Doris M. Sidwell, appointed assistant physician June 20, 1931
 Dr. Carol Schwartz, appointed assistant physician August 17, 1931
 Dr. H. Archer Berman, appointed assistant physician October 1, 1931
 Dr. Charles C. Joyce, appointed assistant physician November 18, 1931
 Dr. Henry A. Tadgell, promoted to senior physician October 15, 1931
 Dr. Anna M. Allen, promoted to senior physician, a pathologist, November 1, 1931

Resignations

Dr. Martha G. Wilson, resigned June 13, 1931
 Dr. Evelyn Alpern, resigned July 17, 1931
 Dr. Hugh Wilson O'Neill, resigned July 22, 1931
 Dr. Philip F. Hilton, transferred to senior physician at the Metropolitan State Hospital, August 31, 1931
 Dr. Myer Bloom, resigned November 30, 1931

Clinical Assistants

Roland Viger, June 1, to August 2, 1931
 Peter Brikiatis, June 15 to September 12, 1931
 Francis J. Awdziejewicz, June 25 to August 9, 1931
 Charles Verstanig, August 11 to September 5, 1931

MEDICAL SERVICE

This service has continued to function on the same level as during previous years and no important changes have been made except in personnel. All patients are seen at least twice daily and special ward visits have been continued at frequent intervals at night. There has been a slight rise in the death rate owing to the fact that many of our patients are in their senium on admission. While no epidemics are reported, there has been a large increase in the number of accident cases brought in from the community for first aid treatment.

Our consulting physicians and surgeons have continued to serve willingly and promptly when called in consultation and should be highly praised for their invaluable assistance. I appreciate the interest they have shown and am grateful to them.

HYDROTHERAPY AND PHYSIOTHERAPY DEPARTMENT

During the past year the hydrotherapy department has been functioning actively and a large percentage of the total population has received some form of hydrotherapeutic treatment. The system of teaching the new nurses and attendants has continued with the result that after several lessons and practical demonstrations they are better equipped to administer the various forms of treatment as prescribed by the physicians.

Overactive and disturbed patients respond fairly promptly to the sedative effect of the continuous baths and packs, while marked improvement has been seen in the depressed and underactive types by the administration of tonic bath treatments. A summary of a report of this department shows that 764 patients were treated by the application of wet sheet packs. This represents the administration of 16,533 packs or 48,662 hours of treatment. In spite of the fact that there still exists a deficiency of facilities for continuous bath treatment, 388 patients were treated for 16,980 hours. The total number of continuous baths given was 4,433. Tonic bath treatments, which are, by far, one of the most valuable means of stimulation, were prescribed for 514 patients. The total number of tonic baths given were 5,867.

During the year two Zoalite Infra-red lamps and one Burdick air cooled mercury arc lamp were installed and have been in constant use since then. While these have been used temporarily in the Female Hydrotherapeutic Suite, more suitable quarters are to be provided for during the coming year. As several new pieces of physiotherapy apparatus have been ordered it is expected that we will soon be equipped to give treatments with diathermy, autocondensation and the Morse sine wave currents.

VENEREAL CLINIC

An increasingly large number of cases has been treated throughout the year and for the past few months it has been necessary to set aside two days for this clinic. Male patients are treated on Monday, while Tuesday is reserved for the female patients. Intensive treatment has been given patients suffering from syphilis and where the desired effects are not obtained with the arsenicals, mercury and bismuth, malarial therapy is used as a supplementary treatment. While physicians in the community have not taken advantage of the clinic by sending in their patients for treatments, several patients on visit from the hospital have returned regularly for treatments.

DENTAL SERVICE

The dentist and dental hygienist have been constantly employed in examining newly admitted cases and doing prophylactic work. Periodical dental examinations and treatments have been carried out on all patients already in the hospital. While the following table shows a great increase in the amount of work completed over previous years, it is expected that many more patients can be given prophylactic treatments during the next twelve months now that a portable dental engine has been procured.

December 1, 1930 to December 1, 1931

Surgery:

Extractions (local anaesthesia)	1517
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Fillings:

Compound (silver cement and silver amalgam)	108
Silver amalgam	134
Copper amalgam	6
Cement	33
Porcelain	27
Kryptex	1
ZNO ₂ and Eus	62
	— 371

Prosthetic:

Completed full plates	13
Repaired full plates	11
Repaired partial plates	2

Odontexesis	566
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Oral Treatments in General:

Vincent's Infection, Canker sores, Gingivitis, Abscesses	638
Miscellaneous Corrections	49
Referred to X-ray	30
Re-examinations	907
New patients examined	792
Total number of office visits	2654
Lectures	6 hrs.

ENTERTAINMENTS

Dances and motion pictures have provided entertainment three evenings a week throughout the first part of the year, but since the summer the latter have been temporarily discontinued because of the difficulty in procuring silent motion picture films. It is hoped that a new talking picture machine will soon be installed. During the summer months baseball games provided recreation for many. Most enthusiasm was seen especially when games were interchanged with other hospitals. Occasional whist parties were held throughout the year and the American Legion Auxiliaries of the surrounding towns visited frequently and provided entertainment for many of our patients as well as the ex-service men. The usual field day was held on July 4th and a week of entertainment was provided during the Christmas Holiday Season. Through the kindness of Mr. George Libby, the cast of one of the Boston theaters put on a very interesting entertainment during February.

PSYCHIATRIC CLINICS

Clinics for our patients, who have left the hospital on visit, have continued to function weekly during the year at Gloucester, Haverhill, Lawrence, Lynn, Malden, Newburyport and Salem. There has been an increasing growth in the clinics until now a large per cent of our patients on visit report at regular intervals for consultation with the physician. A smaller number of patients were referred by outside physicians than in former years. Since the law was passed providing for examinations, both physical and mental, of juvenile offenders much additional work has been added to duties of our senior physicians.

ADULT MENTAL HYGIENE CLINIC

No change has been made on the operation of this clinic and it continues to operate as heretofore under the direction of Dr. Salomon Gagnon. Still many new cases seek advice and are being aided by their contact with this clinic. On several occasions cases not necessitating commitment, following a period of hospital observation, have been successfully followed up when referred to this clinic.

X-RAY DEPARTMENT AND LABORATORY SERVICE

During the past year, because of the new construction, both the laboratory and X-ray room were moved to new quarters in the male Attendants' Home and while this change was being made there was a brief period when we were without the service of either. In the new quarters both services have been functioning actively under the direction of Dr. Anna M. Allen, who has devoted her entire time to this work.

Several research problems have been started on cases of Schizophrenia and Parkinsonian Syndrome following Encephalitis Lethargica and a report of the proposed method of study by the pathologist follows:

"In going over the various forms of treatment used in Schizophrenia the results have been most striking in these cases in which Endocrine therapy, prolonged sleep and inhalation of an admixture of carbon dioxide and oxygen have been used. In these cases even though there may be only a short remission of the symptoms it will make possible a more adequate study of the fundamental mechanisms that may have contributed to the psychosis. The narcosis and inhalation therapy will be carried out mainly in catatonics in the acute stage, the endocrines in the hebephrenic group.

A follow-up of the physiological and psychological reactions should provide some interesting data.

At the same time I wish to take a series of X-ray pictures of the heart in these cases and correlate the size with the capacity for effort as measured by the usual efficiency test, *i.e.* blood pressure, length of time taken for pulse to return to normal after given amount of exercise, etc.

The study of the Parkinsonian syndrome in post encephalitis that I am at present engaged in will be continued and the results of treatment noted. I have in mind, too, the study of the changes in the blood and spinal fluid chemistry when the diathermy treatment for G. P. I. is instituted."

A new X-ray machine with accessories has been installed adjacent to the laboratory and has already been in operation for about a month.

A report of the work accomplished for the year follows:

Autopsies	30
Bacterial Cultures	12
Bacterial Examinations	189
Basal Metabolisms	70
Blood chemistry	20
Blood cultures	4
Blood examinations:	
Red blood cells	982
White blood cells	1032
Differential	60
Hemoglobin tests	984
Coagulation time	6

Blood grouping	2
Faeces	33
Spinal fluids	247
Sputum Examinations	22
Urinalysis	2206
X-ray (from Nov. 3rd)	48

OCCUPATIONAL THERAPY DEPARTMENT

During the past year the Occupational Therapy Department has increased its number of treatment groups so that at present there is a total of 12 classes, including 2 groups at the work-shop, 5 physical education classes, and 5 occupational groups on wards.

There have been altogether 662 patients under treatment, with an average of about 350 per month. Of the total number, 78 have been promoted to some form of hospital industry and 95 have gone home on indefinite visit.

A new record-system has been established whereby the weekly and monthly progress of the patients under treatment may be accurately charted for the convenience of the physicians.

The articles made in the department have been used for ward and dormitory furnishings. The department has contributed to the decorations for various social functions, and has given several parties for its own patients.

A garden has been laid out and maintained, adjoining the work-shop, by a group of patients supervised by therapists.

The department has contributed to several exhibits held in adjacent localities.

A training-course has been established for students of the Boston School of Occupational Therapy, four students at a time entering the course for a six-month period to be given psychiatric instruction and practical experience.

For the purpose of systematic training for the students and treatment for the patients, the various classes have been divided as follows:

- for admission cases
- for chronic cases
- for disturbed and excited cases
- for improved and special-treatment cases (workshop)
- physical education for deteriorated and excited cases.

CONSTRUCTION REPORT

During the past year the following work was done by the mechanical department. This includes the work of the carpenters, painters, masons, and blacksmith,

Carpenters: Carpenter shop: — Making of doors, desks, tables and chairs and general work and repairs. Fitting and cutting of keys. Framing of pictures and mirrors. Making of stone drags for the farm. Blocks for brushes; rockers and parts for chairs, tables, and benches. In addition twenty-five coffins were made during the year. For the farm, repairs were made on carts, wagons, sleds and machinery. At the cattle barn grain trucks were made and installed; stall floors were laid, and repairs to scuttles, doors and windows were made. New calf pens were built in one of the barns. In the vegetable building new racks were constructed and ten chicken houses were built at the hennery. At the piggery new floors were laid in the pens. Repairs were made on the stone crusher and a stone breaker was set up in the pasture. In the greenhouse new shelving was erected and general repairs made. Horses and general repairs were made at the power house. The roof of the garage was shingled. Cottage No. 8 shed was remodelled and made into a garage. All the floors in the cottage were sanded and general repairs made. At Cottage No. 7 the floors were sanded and finished and general inside repairs made. A new hard pine floor was installed in Cottage No. 5. A new officer's cottage and garage was constructed. A new fence was installed at the tennis court. At the Employees' Home doorways were constructed to make connecting rooms. All floors were sanded and finished. For the Nurses' Home, cabinets, wall racks, tables, and racks for gas plates were made and installed. Repairs were made on windows, doors and showers. At the Attendants' Home two rooms were made from a dormitory. In the basement rooms were built for Laboratory, X-ray and

specimen room. Tables and racks for gas plates were installed. At Grove Hall new treads and rails on stairways were made as well as general repairs. At the laundry a clothes yard was made on the roof. At the Middleton Colony iron fire escapes were installed. In the main building repairs on floors, doors, windows and stairs were made on both the male and female wards. New benches and general repairs were made in the male hydrotherapy suite. Linoleum from the A-1 sunparlor floor was removed. On G-1 the old wood floor was removed and a cement one put in to replace it. This was also done on H-1. In the basement a new room was fitted up for the morgue. A new diet kitchen was also fitted up. New quarters were made for the supervisors' kitchen. The bakery was changed over to make room for the contractors working on the new dining room, and kitchen building. A cabinet was built and installed, and general repairs made in the front center. A cabinet was made and installed in the vault room for holding plans. The specimen rooms in the rear center were dismantled. Electric clock boards were made and installed in the main building. In the new building the wood work for the refrigerators was installed. Screens were removed and reinstalled in the main building and cottages, and repairs were made upon them.

Painters: There were 1,891 lights of glass set during the year. Inside painting of the garage at Cottage No. 8, Nurses' and Attendants' Homes, Wards A-3, D-3, C-1, male ward dormitories and rooms, lavatory sections in the Male Home, and diet kitchen. Inside painting and paper hanging at Cottage No. 5, Cottage No. 7, Cottage No. 8 and rooms in the front center. In the shop, beds, bureaus, and other furniture were painted. Painting of doors and casings at Employees' Home. Outside and inside painting of the greenhouse. Outside painting of the main building, doors, windows, and towers. Painting of silos, of new officer's cottage and garage, of iron railings and grills, and of Cottage No. 6.

Masons: Construction of rooms for Laboratory, X-ray and specimen room. Cement floor in the sub-basement of the old boiler house. Brick work around the water tank in sub-basement. Repairs on plastering in the male and female wards and Nurses' Home. Repairs to the floors of the water section in the wards. Laying of a cement floor and brick walls in the new morgue. Cement floor in greenhouse, male sanitarium water section, the dormitories on H-1 and G-1 wards, and new officer's cottage and garage. Repairs on grates and linings of ranges, ovens and heaters. Removing brick walls and plastering diet kitchen. Building of incinerator in D-1 basement. Plastering in Supervisors' kitchen and new officer's cottage. Fireproof plastering of ceilings in the "D" basement. Building brick walls in basement for new construction. Laying of bricks and drain lines and pouring of cement for cellar walls in new officer's cottage. Brick work at garage connecting new officer's cottage. Brick work in connection with telephone boxes, male and female wards. Relaying of chimney tops at main building. Brick work in the "D" and "G" basements. Setting of sinks in the basement of the new dining room. Construction of man holes at the foot of the hill, and new cesspool in connection with Cottage No. 9. Tarvia sidewalks were resurfaced. Catch basin at the barn was built. Brick work done on fire boxes at the boiler house at Middleton Colony. Construction of brick cattle pens at the barn building.

Blacksmiths: Shoeing of horses; repairs on carts, wagons, sleds, farm machinery, wheelbarrows, coal trucks, fire escapes and window grills. Sharpening of pickaxes and crowbars; making hangers and meat hooks. Making of new springs for beds. Making the iron work for barber chairs. Repairs on wheelchairs. Iron work for stone drags and general jobbing.

ENGINEER'S REPORT

The major accomplishments of the Engineering Department in 1931 are as follows:

Replaced 15 obsolete hydrants and added 4 new hydrants to our system of fire protection at the main hospital group. Several of these hydrants were located nearer to roads than those which were removed. The changes required the installation of about 2,000 feet of new cast iron water pipe. These changes were made entirely by patient labor. This completes the hydrant program which was started last year with the laying of an 8" loop line at Middleton Colony and replacement of hydrants there.

Installed 30 secondary clocks on our electric clock system at the main hospital. This completes the program started last year when we installed the master clock and 35 secondary clocks.

We installed a complete electric clock system at Middleton Colony this year. The system consists of a master clock and 9 secondary clocks.

Designed and installed plumbing and heating systems for a new cottage.

Installed new 3 conductor trenchlay cables from sub-basement of new dining room building to buildings C and D; A; E and F; I; and from J building to the Male Attendants' Home. This completes the program for renewals of main lighting lines to each building. This program was started two years ago, part of the work done each year according to the amount of money appropriated.

Completed the installation of a circulating system for hot water in the main hospital group. This project was started two years ago but was not completed on account of the new construction interference. This project required the installation of two circulating pumps and over 4,300 feet of copper tubing.

Major projects for the Engineering Department for 1932:

We have asked for money for securing a cheap supply of cooling water for our ammonia condenser in our refrigerating plant. This we plan to do by either driving wells or by the installation of a spray cooling pond. At the present time we are paying the town about \$4,000 per year for cooling water.

We have asked for money to install automatic control equipment on the heating system at our Middleton Colony group. We expect to cut down the heating cost by at least 25% and at the same time provide more healthful temperatures for the patients.

We have asked for money to purchase a portable air compressor with necessary equipment for heavy drilling. One of the greatest uses for this outfit will be to operate boiler tube cleaner and refractory maintenance spray gun. By the use of this equipment we should be able to double the life of our furnace linings.

We have asked for money to purchase an electric motor and necessary equipment to put our old ventilating fan into operation in B building. Ventilation is needed badly in B building as it is here that most of the untidy patients are housed.

FARM REPORT

The results of our farming operations for the season of 1931 were not so good as in 1930 in some crops and in others a better showing was made.

On account of heavy rains in early summer, the hay crop was good, much better than last year. For feeding farm animals 338 tons of hay, 588 tons of ensilage, 45 tons mangels and 266 tons of greenfeed were raised.

The vegetable garden produced 878 bushels of beets, 28,575 lbs. string beans, 64 tons cabbage, 22,170 lbs. chard, 22,917 lbs. rhubarb, 11,372 lbs. spinach, 29,963 lbs. tomatoes, 1,405 lbs. dandelions, 3,364 lbs. green peas 3,904 lbs. pumpkins,, 963 quarts raspberries.

There was likewise produced 3,025 bushels of potatoes, 434,360 quarts of milk 98,208 lbs. dressed pork, 15,770 lbs. beef, 5,346 lbs. fowl, 4,589 lbs. broilers, and 9,334 doz. eggs.

The leveling and grading around the New Nurses' Home has been completed, and the building with its surroundings makes a creditable appearance. Approximately two and a half acres of rough land at the foot of the slope south of the new home, has been thoroughly cleaned up. An old stone wall was removed as well as a large amount of stumps, roots, rocks and debris, which had been collected from the adjoining fields and dumped along this wall. This work entailed a great deal of labor but the improved appearance of this part of the farm in addition to the extra land made available for cultivation, more than offsets the time and labor expended on the undertaking. Over one acre of extremely rough land between the piggery and Middleton Colony has been cleared. This land jutted into the center of a field, and its elimination as land too rough for cultivation not only adds greatly to the appearance of the farm but adds another acre to the arable land.

The roads and driveways had much work done on them the past season. In addition to being well kept up during the summer, all roads were resurfaced with tarvia and fine crushed rock and are now in splendid condition. Nine hundred

yards of sidewalks were likewise resurfaced with tarvia and sand. This resurfacing cost a little money and some labor, but the greatly improved condition of our roads and walks justifies all the expenditure.

The site of the old Gregory barn at Middleton Colony has been filled in and leveled and turned into a field, all except a small corner which is lawn. The removal of the old barn has greatly improved the general appearance of the landscape around Middleton Colony.

Almost three-fourths of an acre of gravel pit owned by the Town of Danvers has been purchased by the institution and work is now in progress looking towards a big improvement in this corner of the farm. Being a gravel pit, this corner may not prove a great success as farm land but it will certainly be a valuable addition to the farm from an aesthetic viewpoint.

The former site of Dayton Hall (now Cottage No. 6) had been graded and is now part of a field.

A good start has been made in cleaning up and improving the cemetery north of Middleton Colony. A suitable fence will be erected and the ground properly graded so that it may be kept in suitable condition hereafter. The field of which this cemetery is a part had once been cultivated and later allowed to grow wild, but is it now in process of reclamation and will add several acres to our crop land.

Grading is being done around the new cottage on Maple Avenue and the driveway to the garage has been dug out and filled with stone to a depth of two feet.

Great quantities of stones were hauled off the fields during the summer and most of them were crushed for road work.

About 4,300 square yards of farm roads were resurfaced with ashes and 2,300 repaired with gravel. A staff of tree experts did a good deal of work on the shade trees and finished pruning all the fruit trees, part of which had been left over from last year.

As conditions permit, work is being done on the old filter beds which were abandoned when the hospital was connected with the South Essex Sewer. This work consists mostly in leveling down the embankments and when this is completed the whole system of filter beds can be turned into a field.

RELIGIOUS SERVICES

Religious services have been held regularly each Sunday throughout the year, with the Catholic clergyman officiating in the mornings, and the Protestant clergyman in the afternoon. In addition monthly religious services were held at the Middleton Colony. The Jewish chaplain visited at regular intervals and held services for our Jewish patients. Responses to sick calls, or to administer the last rites to the dying have been faithfully made by the clergy.

ACKNOWLEDGEMENTS

I desire to express my appreciation to the various organizations, which have so generously provided special entertainments for our patients and ex-service men, and for the gifts of tobacco, fruit, delicacies, writing materials and reading matter distributed by the patriotic organizations to our soldiers. To our many friends, who so liberally contributed to the Christmas Entertainment Fund and in so doing helped to make possible a cheerful and happy Christmas for our patients, I wish to extend my sincere thanks.

To the physicians, heads of departments and all those working with them, who have so loyally cooperated with me throughout the year, I wish to acknowledge my indebtedness.

I am grateful to the Trustees and the Department of Mental Diseases for the encouragement and advice they have given me.

Respectfully submitted,

C. A. BONNER, M.D.,

Superintendent.

REPORT OF THE TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the forty-second annual report of the Training School for Nurses.

Changes in personnel are as follows:

Mrs. Elizabeth C. Daniel, Assistant Principal of the School of Nursing, transferred to Westborough State Hospital as Principal of the School of Nursing. This position has been satisfactorily filled by Miss Bertha M. Grady, Class of 1928.

Mrs. Lyla Perron was promoted to Night Supervisor, and Miss Florence Bourgeois from Night Supervisor to Assistant Supervisor (day).

Miss Bridget Mary Parker, Class of 1906, retired February 28, 1931. Miss Parker entered the Training School July 1, 1904 and after her graduation remained at the hospital until her retirement, a total of twenty-six years and seven months. Miss Parker passed away October 17, 1931.

Miss Pauline Moore, junior student nurse, died February 26, 1931.

Mrs. Evelyn Edgerly, Head Nurse, was transferred to the Male Service, September 26, 1931.

Miss Lily Dunkley, Head Nurse, resigned August 15, 1931; Miss Alice Carter, Head Nurse, May 11, 1931; and Mrs. Bertha King, April 9, 1931.

Miss Vesta MacLellan, Class of 1930, was promoted to Head Nurse February 4, 1931; Miss Ethel E. Johnson, Class of 1931, October 1, 1931; Miss Elita Sargent, Class of 1931, October 3, 1931.

The following Head Nurses were employed: Miss Nellie E. Foley, Class of 1919; Miss Erma Randall, graduate of Lawrence General Hospital.

School Personnel, November 30, 1931: Principal of the School of Nursing, 1; Assistant Principal of the School of Nursing, 1; Chief Hospital Supervisor, 1; Assistant Supervisor, day, 1; Assistant Supervisor, night, 1; Head Nurses, graduates of Danvers State Hospital, 8; Head Nurses, graduates of other hospitals, 2; Hydrotherapist, 1.

There were one hundred and sixty-five (165) requests for information regarding the Training School; 165 blanks were sent out and 58 returned. Thirty-four students have been accepted, nine having withdrawn and there are three on the waiting list.

November 30, 1931 our students were as follows:

Seniors	11
Intermediates	18
Probationers	20

It is a pleasure to report that our affiliation with General Hospitals began February 1, 1931 with two students from the Chelsea Memorial Hospital, two from the Somerville Hospital, and on March 8, two from the Millers River Hospital for six weeks. The students from the Chelsea Memorial and Somerville Hospitals were with us for three months. One student from the Millers River Hospital returned June 1, 1931 for six weeks for medical and psychiatric nursing. The Chelsea Memorial Hospital and Somerville Hospital each sent two students May 1st. There were no affiliates during August. Each of the above hospitals will send two students on the first of each January, April, July and October. An affiliation has also been arranged with the New England Sanatorium, a male student being sent to us October 1st and January 1st.

These nurses apparently enjoy psychiatric nursing and find it interesting after being on the wards for a short time. Lectures in psychiatry, psychology, care of the mentally ill, hydrotherapy, occupational therapy, mental hygiene and social service are given. Practical work consists of continuous baths, wet sheet packs and general ward work. Each affiliated student is in the pack room for two weeks, attends staff conferences for at least twenty-four hours, fifteen hours in the occupational therapy department. Wet sheet pack and continuous bath lessons are given before students are allowed to give baths or packs.

The graduating exercises were held June 25, 1931. The following nurses received diplomas:

Ida Mary Bouchard
Mary Frances Boyle
Marjorie Evelyn Harvey
Dorothy Gladys Hatch
Ethel Edna Johnson
Eleanor McCobb

Madeline Frances Nelson
Helen Theresa Riley
Elita Sargent
Florence Ellen Stewart
Agnes Mary Walsh

The long hoped for instructor has not yet materialized. Our nurses need the supervision which an instructor would make possible.

The care of female employees who are ill is much improved since D-1 ward has been utilized for that purpose.

Several parties were held in the recreation room at the Nurses' Home during the year.

The screened porch is much appreciated by all.

A Majestic radio was presented to the Nurses' Home by the Alumnae Association.

In closing, I wish to thank all members of the hospital Staff for their help and cooperation during the past year.

Respectfully submitted,

OLIVE F. ESTEY,

Principal of the School of Nursing.

SOCIAL SERVICE REPORT

To the Superintendent:

I herewith submit the report of the Social Service Department for the year ending November 30, 1931.

During the year we have obtained 905 histories. 589 of these have been taken in the hospital. When the relatives of patients have not come to the hospital within a few days after the patient's admission we have gone to their home to get the history needed by the physicians to understand the patient's condition. Three hundred and sixteen (316) such histories have been obtained in the community. One hundred and thirty-four (134) cases have required social service investigation in addition to the history to enable the physicians to make diagnoses. Forty-four (44) cases have been referred for investigation of home conditions and the family's plan, prior to the patient's release from the hospital on visit. This makes possible a better adjustment for the patient when he leaves the hospital. About 100 patients on visit have been seen at least once in their home, altho little social case work has been attempted.

In December 1930, a Mental Hygiene Clinic for adolescents was started in Lawrence where the Division of Mental Hygiene under the Department of Mental Diseases already had a Habit Clinic for younger children. In January 1931 a Child Guidance Clinic was opened in Haverhill. Unfortunately, we have not at present enough social workers to do community work in either of these clinics but we hope sometime they may be operated on the same basis as our Lynn Clinic with a thorough social history obtained before the children come to clinic and equally careful social treatment to make possible the carrying out of the psychiatrist's recommendation.

During July and August our clinics were closed.

One hundred and nine (109) new cases have been examined and treated at our three Child Guidance Clinics, that is, in Lynn, Lawrence and Haverhill. Forty-one (41) new cases have been examined and treated at our Adult Mental Hygiene Clinic held at the Lynn Hospital.

We appreciate very much having a stenographer to do the typing for our clinic records.

In seven towns under our direction the local nurses have been getting histories for the school clinic. Heretofore, our department had been getting these histories which took a great deal of time.

Miss Minnie E. Remley from the Smith College School for Social Work spent her practice period with us. Miss Doris Waid and Miss Doris Brown, two students in the Department of Mental Diseases Training course, spent nine months at this hospital.

In April Miss Priscilla Skelton came to us as a student to enter the D. M. D. training course in the fall.

In July Miss Pearl E. Hartshorn was married to Mr. Lawrence Darling.

Miss Edith Mason has been granted a leave of absence and is spending the winter in Europe.

In September Miss Helen E. Riley, a graduate of Brown University, and a student last year at the Taunton State Hospital in the Department training course, joined our Staff.

We have as students this year Miss Priscilla Skelton and Miss Sadye Salutsky, both of whom are taking the Department training course.

Respectfully submitted,

MARY H. HOLLAND,

Head Social Worker.

REPORT OF THE CHILD GUIDANCE AND SCHOOL CLINICS

To the Superintendent:

The Child Guidance Clinic work re-opened following the summer vacation in September, shortly after the opening of schools both in Lynn and Haverhill. The Child Welfare Association provides quarters for our clinic in Lynn at the Child Welfare House as it did last year. In Haverhill several rooms are available and at the disposal of the clinic in the high school on Saturday mornings where the clinic was previously held. The Lawrence Clinic, which began last year, was not opened early in the Fall because new quarters are being sought. This clinic will probably open very early in December if the present plans materialize.

The personnel was somewhat changed with the opening of the clinic in September 1931. Dr. C. A. Bonner, the Director, and the Social Service departments serve as before, but the psychological and psychometric examinations are being done entirely under Dr. Kent's supervision by the regular Psychological Department of this hospital, and the clerical work is being done by a nearly full time stenographer.

Since September, 27 new cases have been handled in the two clinics and several of the old cases continued; other old cases have been re-opened. The appointment method is still used in conducting cases at the clinic, and in this way, with the comparatively short time given to each clinic, more work may be handled satisfactorily than with a less systematic arrangement.

For the examination of retarded school children in this district, two days are set aside each week. In these two days from September 1931 until November 1931, ninety-five cases were examined and recommendations made to the school superintendent for their placement in order that the children may be so placed in the schools that they secure the maximum benefit possible in the primary and grammar grades.

One day a week is spent in voluntary work at the Chelsea Juvenile Court. At this time juvenile delinquents are examined as required under provisions of Chapter 215, Laws of 1931. Several cases have been examined here in addition to the regular Child Guidance and School Clinic as mentioned above.

Respectfully submitted,

DORIS M. SIDWELL, M.D.

PSYCHOLOGICAL REPORT

To the Superintendent:

I have the honor to offer the following annual report of the Department of Psychology, for the fiscal year ending November 30, 1931.

At the opening of the year the two assistants of the department were Miss Farrior Brown and Miss Mary McJennett. Since September we have had three assistants on duty: Miss Marion Krauzer, Mrs. Mildred Carpenter and Miss Dorothy McLeod.

This year has witnessed an important change in the organization of the department. Owing to the resignation of the "assistant psychologist" formerly employed

for the psychometric work of the school clinics, it has seemed advisable for this department to take over all the extra-mural psychometric work for which the Hospital is responsible, thus necessitating the employment of three junior members. The routine work of the department is now divided into three services, which the three assistants take in rotation.

One service includes all the regular psychometric work for resident hospital patients; the second service includes technically all the work of the Child Guidance clinics at Lynn, Haverhill and Lawrence, plus whatever work is done in the courts of our district; and the third service is concerned primarily with the school clinics. In point of fact it is impossible to observe this division strictly, because of the irregularity of the district court work. The call from the court usually comes on short notice, frequently when the regular outside worker is at Lynn and occasionally when she is already working at some other district court. The work of the courts is counted as emergency service, having the right of way over all the less urgent work. The school clinic worker of a given week is considered on call for the court work if the Child Guidance worker is out, and even the inside worker is on call for a court case when both the others are out. It has occasionally happened that all three workers have been out at the same time, but this is so rare as to be negligible. We have found that the routine service can be carried comfortably by three persons, in spite of the irregularity. The rotating service is favorable in that it affords each of the assistants some experience in all the fields.

Patients have been studied routinely as follows:

Psychometric examinations on hospital patients	423
Informal notes on hospital patients who could not be tested	81
Psychometric examinations at court, since September 1st	41
Cases studied in Child Guidance clinics, since September 1st	35
Children examined in school clinics, since September 1st	95

675

The total number of persons interviewed for a psychometric test was 675, including 81 cases in which a satisfactory examination was impossible. The number of successful examinations was 594, not all equally successful but all at least moderately so.

In addition to the psychometric work, each member of the department has made intensive observation on selected cases, for the purpose of helping the patient rather than merely making a contribution to the records. The extent to which these studies are carried depends upon the needs of the individual patient and upon the apparent possibilities for constructive psychotherapeutic effort. In some cases they have included a visit to the home of the patient.

The principal research of the year was the standardization of a very brief oral test known as the Kent Emergency Test. A monograph describing this test has been accepted for publication and will probably appear within a month. Some material has been collected also for the more complete standardization of certain performance tests which are regularly used in this hospital. Many inquiries are received from outside concerning the unpublished tests used here, and considerable time is spent in answering letters.

The four-hour course in psychometrics for affiliate nurses was given once by Miss McJennett and once by Miss McLeod. A definite outline has been adopted for this series of talks, including two pages which have been duplicated for distribution.

A five-hour course in elementary psychology was given by Miss Brown for the nurses of the hospital training school and was repeated three times for the affiliate nurses. It cannot be claimed that the course was a success, nor does it seem possible to present in five lectures a course which should cover at least 100 hours. However, as the assistants of the department are usually glad to have a little experience in teaching, it seems worth while to have the course given once a year for the benefit of the hospital nurses. It has been decided that this course need not be repeated for the affiliates.

At various times the members of this department, plus any of the medical staff who wished to be included, have been loosely organized into a group for psychiatric

study, the meetings being held once or twice a week outside of working hours. Altho no record has been kept, the number of meetings held this year is known to have been at least thirty-four. Several textbooks have been read and discussed at these informal gatherings, and approximately fifty hospital cases have been worked up for presentation. It has been found that the interest in the meetings can be sustained over a longer period if we meet once a week rather than twice weekly. It seems advisable to include the male members of the staff as guests rather than as regular participants. The course of study which is now in progress may appropriately be left for next year's report, but the plan which we are following was adopted in September of this year.

Respectfully submitted,

GRACE H. KENT,

Psychologist.

VALUATION

November 30, 1931

REAL ESTATE

Land, 517.68 acres	\$99,112.00
Buildings	2,802,613.12
	<hr/>
	\$2,901,725.12

PERSONAL PROPERTY

Travel, transportation and office expenses	\$4,511.21
Food	16,603.51
Clothing and materials	17,694.12
Furnishings and household supplies	116,838.79
Medical and general care	10,872.53
Heat, light and power	21,229.33
Farm	76,005.06
Garage, stables and grounds	5,023.14
Repairs	22,188.09
	<hr/>
	\$221,865.78

SUMMARY

Real estate	\$2,901,725.12
Personal property	221,865.78
	<hr/>
	\$3,193,590.90

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1931.

CASH ACCOUNT Receipts

<i>Income</i>	
Board of Patients	\$129,317.55
Personal Services:	
Reimbursement from Board of Retirement	264.67
Sales:	
Travel, transportation and office expenses	\$8.09
Food	382.79
Clothing and materials	239.88
Furnishings and household supplies	55.19
Medical and general care	126.27
Heat, light and power	158.05
Farm:	
Cows and calves	266.39
Pigs and hogs	32.55
Hides	41.84
Molasses bbls.	22.70
Grain bags	99.25
Wood	317.00
Garage, stable and grounds	126.28
Repairs, ordinary	627.40
Repairs and renewals	30.00
Total Sales	<hr/>
	2,533.68
Miscellaneous:	
Interest on bank balances	\$151.53
Rent	615.00
	<hr/>
	766.53
Total, Income	<hr/>
	\$132,882.43

MAINTENANCE		
Balance from previous year, brought forward		\$13,495.70
Appropriations, current year		737,490.00
Total		\$750,985.70
Expenses (as analyzed below)		728,036.16
Balance reverting to Treasury of Commonwealth		\$22,949.54
Analysis of Expenses		
Personal Services		\$358,075.93
Religious instruction		2,041.47
Travel, transportation and office expenses		8,859.94
Food		110,899.95
Clothing and materials		23,608.75
Furnishings and household supplies		35,802.88
Medical and general care		56,362.70
Heat, light and power		61,148.57
Farm		25,793.63
Garage, stable and grounds		5,181.12
Repairs ordinary		26,138.57
Repairs and renewals		14,122.65
Total expenses for Maintenance		\$728,036.16
SPECIAL APPROPRIATIONS		
Balance December 1, 1930		\$174,602.71
Appropriations for current year		129,152.58
Total		\$303,755.29
Expended during the year (see statement below)	\$245,072.89	
Reverting to Treasury of Commonwealth	553.38	
		245,626.27
Balance November 30, 1931, carried to next year		58,129.02

OBJECT	Act or Resolve Chap. Year	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Nurses' homes	127-1928	\$143,000.00	\$1,953.63	\$142,650.81	\$349.19*
Sewage disposal	146-1929	20,000.00	384.21	19,995.18	4.82*
Remodeling gas house and Grove hall	146-1929	37,000.00	2,014.39	36,800.63	199.37*
Power house and steam mains	146-1929				
	115-1930	23,002.58	5.02	23,002.58	
Officer's cottage	115-1930				
	14-1931	9,000.00	7,362.40	7,362.40	1,637.60
Renovation of rear center:					
Construction	115-1930	300,000.00	229,147.41	265,452.75	34,547.25
Furnishings and equipment	245-1931	22,000.00	710.37	710.37	21,289.63
Purchase of X-ray equipment	245-1931	4,000.00	3,372.67	3,372.67	627.33
Purchase of land	460-1931	150.00	122.79	122.79	27.21
		\$558,152.58	\$245,072.89	\$499,470.18	\$58,682.40

Balance reverting to Treasury of the Commonwealth during year (mark item with *)	\$553.38
Balance carried to next year	\$58,129.02
Total as above	\$58,682.40

PER CAPITA

During the year the average number of inmates has been 2,035.

Total cost of maintenance, \$728,036.16.

Equal to a weekly per capita cost of \$6.88.

Receipt from sales, \$2,533.68.

Equal to a weekly per capita of \$.024.

All other institution receipts, \$130,348.75.

Equal to a weekly per capita of \$1.236.

Net weekly per capita \$5.62.

Respectfully submitted,

GLAYDS E. LEACH

Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION
PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Information

Data correct at end of hospital year, November 30, 1931

1. Date of opening as a hospital for mental diseases, May 13, 1878.							
2. Type of hospital: State.							
3. Hospital plant:							
Value of hospital property:							
Real estate, including buildings							\$2,901,725.12
Personal property							291,865.78
Total							\$3,193,590.90
Total acreage of hospital property owned, 517.68							
Additional acreage rented, 150.68.							
Total acreage under cultivation during previous year, 347.							
4. Officers and employees							
	Actually in Service at End of Year			Vacancies at End of Year			
	M.	F.	T.	M.	F.	T.	
Superintendents	1	—	1	—	—	—	
Assistant physicians	7	3	10	2	—	2	
Clinical assistants	2	—	2	—	—	—	
Total physicians	10	3	13	2	—	2	
Stewards	1	—	1	—	—	—	
Resident dentists	1	—	1	—	—	—	
Pharmacists	1	—	1	—	—	—	
Graduate nurses	—	18	18	—	—	—	
Other nurses and attendants	82	106	188	5	24	29	
Occupational therapists.	—	5	5	—	—	—	
Social workers.	—	3	3	—	—	—	
All other officers and employees	82	58	140	3	2	5	
Total officers and employees	167	190	357	8	26	34	

NOTE: — The following items, 5–10 inclusive, are for the year ended September 30, 1931.

5. Census of patient population at end of year:							
	Actually in Hospital			Absent from Hospital but Still on Books			
	M.	F.	T.	M.	F.	T.	
White:							
Insane	960	1,061	2,021	107	154	261	
Mental defectives	—	2	2	—	—	—	
Alcoholics	—	—	—	1	—	1	
Drug addicts	—	—	—	1	—	1	
All other cases	7	4	11	4	2	6	
Total.	967	1,067	2,034	113	156	269	
Other Races:							
Insane	11	7	18	—	—	—	
All other cases	—	1	1	—	—	—	
Total.	11	8	19	—	—	—	
Grand Total	978	1,075	2,053	113	156	269	
	M.	F.	T.				
6. Patients under treatment in occupational-therapy classes including, physical training, on date of report				96	183	279	
7. Other patients employed in general work of hospital on date of report				586	576	1162	
8. Average daily number of all patients actually in hospital during year				953	1083	2035	
9. Voluntary patients admitted during year				3	1	4	
10. Persons given advice or treatment in out-patient clinics during year				183	170	353	

TABLE 2. Financial Statement

See Treasurer's report for data requested under this table.

NOTE: — The following tables 3-19, inclusive, are for the Statistical year ended September 30, 1931.

TABLE 3. *Movement of Patient Population*

	REGULAR COURT COMMITMENT (INSANE)			VOLUNTARY			TEMPORARY CARE			OBSERVATION			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of Institution September 30, 1930	1,089	1,280	2,369	-	-	-	1	2	3	18	2	20	1,108	1,284	2,392
Admissions during year:															
First Admissions	249	224	473	1	-	1	78	29	107	41	22	63	369	275	644
Readmissions	63	61	124	2	1	3	28	8	36	14	10	24	107	80	187
Transfers from other hospitals for mental diseases	12	17	29	-	-	-	-	-	-	-	-	-	12	17	29
Total received during year	324	302	626	3	1	4	106	37	143	55	32	87	488	372	860
Total on books during year	1,413	1,582	2,995	3	1	4	107	39	146	73	34	107	1,596	1,656	3,252
Discharged from books during year:															
As recovered	2	-	2	-	-	-	30	-	30	24	6	30	56	6	62
As improved	110	120	230	-	1	1	15	5	20	10	7	17	135	133	268
As unimproved	7	11	18	-	-	-	9	13	22	-	-	-	16	24	40
As without psychosis	1	-	1	3	-	3	35	17	52	24	6	30	63	23	86
Transferred to other hospitals for mental diseases	89	90	179	-	-	-	-	-	-	-	-	-	89	90	179
Died during year	127	138	265	-	-	-	17	4	21	2	7	9	146	149	295
Total discharged, transferred and died during year	336	359	695	3	1	4	106	39	145	60	26	86	505	425	930
Insane patients remaining on books of hospital at end of hospital year:															
In hospital	964	1,067	2,031	-	-	-	1	-	1	13	8	21	978	1,075	2,053
On parole or otherwise absent	113	156	269	-	-	-	-	-	-	-	-	-	113	156	269
Total	1,077	1,223	2,300	-	-	-	1	-	1	13	8	21	1,091	1,231	2,322

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States.	147	137	284	74	80	64	70	72	58
Australia	2	—	2	—	—	—	—	—	—
Austria	1	2	3	1	1	1	2	2	2
Belgium	—	1	1	—	—	—	1	1	1
Canada ¹	26	34	60	41	38	33	45	41	36
England	10	6	16	16	14	13	9	9	6
Finland	—	2	2	—	—	—	3	3	3
France	—	—	—	—	—	—	—	1	—
Germany	1	—	1	4	4	4	3	2	2
Greece	—	1	1	2	2	2	1	1	1
Hungary	—	—	—	1	—	—	—	—	—
Ireland	15	21	36	40	37	36	47	48	42
Italy	13	8	21	19	18	18	14	15	14
Norway	—	—	—	—	—	—	1	—	—
Poland	8	1	9	8	9	8	3	3	3
Portugal	3	1	4	4	4	4	1	1	1
Russia	7	4	11	12	12	12	4	4	4
Scotland	6	2	8	4	6	4	4	3	3
South America	1	—	1	—	—	—	—	—	—
Sweden	3	2	5	4	6	4	2	5	2
Turkey in Europe	—	—	—	1	1	1	—	—	—
Other countries	5	2	7	5	5	5	3	3	3
Unascertained	1	—	1	13	12	9	11	10	6
Total	249	224	473	249	249	218	224	224	187

¹Includes Newfoundland

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	147	137	284
Citizens by naturalization	40	28	68
Aliens	34	21	55
Citizenship unascertained	28	38	66
Total	249	224	473

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses				5	—	5
2. Senile psychoses				8	25	33
3. Psychoses with cerebral arteriosclerosis				61	48	109
4. General paralysis				22	3	25
5. Psychoses with cerebral syphilis				6	—	6
6. Psychoses with Huntington's chorea				—	—	—
7. Psychoses with brain tumor				—	1	1
8. Psychoses with other brain or nervous diseases, total				5	6	11
Paralysis agitans	—	1	1			
Multiple sclerosis	—	1	1			
Other diseases	5	4	9			
9. Alcoholic psychoses, total				20	4	24
Delirium tremens	5	1	6			
Korsakow's psychosis	1	1	2			
Acute hallucinosis	4	—	4			
Other types, acute or chronic	10	2	12			
10. Psychoses due to drugs and other exogenous toxins, total				1	—	1
Other exogenous toxins	1	—	1			
11. Psychoses with pellagra				—	—	—
12. Psychoses with other somatic diseases, total				4	5	9
Other diseases or conditions	4	5	9			
13. Manic-depressive psychoses, total				16	17	33
Manic type	6	4	10			
Depressive type	9	10	19			
Other types	1	3	4			
14. Involution melancholia				3	10	13
15. Dementia praecox (schizophrenia)				76	71	147
16. Paranoia and paranoid conditions				5	2	7
17. Epileptic psychoses				1	3	4
18. Psychoneuroses and neuroses, total				1	8	9
Hysterical type	—	4	4			
Psychasthenic type (anxiety and obsessive forms)	—	2	2			
Neurasthenic type	—	1	1			
Other types	1	1	2			
19. Psychoses with psychopathic personality				3	2	5
20. Psychoses with mental deficiency				7	16	23
21. Undiagnosed psychoses				3	1	4
22. Without psychosis, total				2	2	4
Alcoholism without psychosis	1	—	1			
Drug addiction without psychosis	1	—	1			
Mental deficiency without psychosis	—	2	2			
Total				249	224	473

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Traumatic			Senile			With cerebral arteriosclerosis			General paralysis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	4	3	7	-	-	-	-	1	1	1	-	1	-	-	-
Armenian	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-
Bulgarian	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
English	70	57	127	4	-	4	5	13	18	21	13	34	9	-	9
Finnish	-	3	3	-	-	-	-	-	-	-	1	1	-	-	-
French	13	18	31	-	-	-	-	1	1	3	5	8	1	2	3
German	4	3	7	-	-	-	-	-	-	2	2	4	-	-	-
Greek	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	9	7	16	-	-	-	-	-	-	-	2	2	-	-	-
Irish	51	59	110	-	-	-	2	6	8	10	12	22	3	-	3
Italian ¹	18	15	33	-	-	-	-	-	-	2	1	3	4	-	4
Lithuanian	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	4	1	5	-	-	-	-	-	-	-	1	1	-	-	-
Scandinavian ²	5	3	8	-	-	-	-	-	-	2	-	2	-	-	-
Scotch	8	8	16	-	-	-	-	1	1	3	1	4	1	-	1
Slavonic ³	13	3	16	-	-	-	-	-	-	2	-	2	-	-	-
Syrian	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
Mixed	40	36	76	1	-	1	-	2	2	13	9	22	4	1	5
Race unascertained	2	2	4	-	-	-	-	-	-	2	1	3	-	-	-
Total	249	224	473	5	-	5	8	25	33	61	48	109	22	33	25

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With cerebral syphilis			With Huntington's chorea			With brain tumor			With other brain or nervous diseases			Alcoholic			Due to drugs and other exogenous toxins		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Bulgarian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	1	-	1	-	-	-	-	1	1	1	3	4	2	-	2	1	-	1
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	3	-	3	-	-	-	-	-	-	1	1	2	9	3	12	-	-	-
Italian ¹	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	-	-	-	1	-	1	5	-	5	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	1	-	1	-	-	-	-	-	-	2	-	2	1	1	2	-	-	-
Race unascertained	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	-	6	-	-	-	-	1	1	5	6	11	20	4	24	1	-	1

¹Includes "North" and "South"²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovnian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With pellagra			With other somatic diseases			Manic-depressive			Involution melancholia			Dementia praecox			Paranoia and paranoid conditions		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	1	—	1	—	—	—	—	—	—	1	2	3	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3	—	—	—
Bulgarian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	2	—	2	4	2	6	—	4	4	13	16	29	3	1	4
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—
French	—	—	—	—	—	—	—	1	1	—	1	1	5	5	10	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2	—	—	—
Greek	—	—	—	—	—	—	—	1	1	—	—	—	2	—	2	—	—	—
Hebrew	—	—	—	—	—	—	3	—	3	1	1	2	5	3	8	—	—	—
Irish	—	—	—	1	2	3	3	9	12	—	2	2	18	15	33	—	1	1
Italian ¹	—	—	—	—	—	—	3	2	5	—	1	1	6	7	13	1	—	1
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2	—	—	—
Portuguese	—	—	—	—	—	—	1	—	1	—	—	—	2	—	2	1	—	1
Scandinavian ²	—	—	—	—	—	—	1	—	1	—	—	—	1	2	3	—	—	—
Scotch	—	—	—	—	2	2	—	—	—	1	1	2	3	2	5	—	—	—
Slavonic ³	—	—	—	—	—	—	1	—	1	—	—	—	3	3	6	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	—	—	—	1	1	—	2	2	1	—	1	13	11	24	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	4	5	9	16	17	33	3	10	13	76	71	147	5	2	7

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Epileptic psychoses			Psycho-neuroses and neuroses			With psychopathic personality			With mental deficiency			Undiagnosed psychoses			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Armenian	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Bulgarian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	1	1	—	—	—	1	—	1	2	3	5	1	—	1	—	—	—
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	—	—	—	—	—	—	1	—	1	1	2	3	—	—	—	1	—	1
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Irish	—	1	1	—	2	2	—	—	—	—	3	3	1	1	2	—	1	1
Italian ¹	1	—	1	—	—	—	—	1	1	1	1	2	—	—	—	—	1	1
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	1	1	—	—	—	1	—	1	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Slavonic ³	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Syrian	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	1	1	1	3	4	1	1	2	1	4	5	1	—	1	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Total	1	3	4	1	8	9	3	2	5	7	16	23	3	1	4	2	2	4

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravina, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	8	25	33	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	61	48	109	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	22	3	25	—	—	—	1	—	1	—	—	—	—	1	1
5. With cerebral syphilis	6	—	6	—	—	—	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	5	6	11	—	—	—	—	—	—	2	—	2	—	2	2
9. Alcoholic	20	4	24	—	—	—	—	—	—	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	4	5	9	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	16	17	33	—	—	—	—	1	1	—	3	3	2	—	2
14. Involution melancholia	3	10	13	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox	76	71	147	—	—	—	7	5	12	20	10	30	17	14	31
16. Paranoia and paranoid conditions	5	2	7	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	1	3	4	—	—	—	—	—	—	1	1	—	—	1	1
18. Psychoneuroses and neuroses	1	8	9	—	—	—	—	1	1	—	2	2	—	1	1
19. With psychopathic personality	3	2	5	—	—	—	1	1	2	1	1	2	—	—	—
20. With mental deficiency	7	16	23	—	1	1	2	3	5	—	—	—	1	3	4
21. Undiagnosed psychoses	3	1	4	—	—	—	1	—	1	—	—	—	—	—	—
22. Without psychosis	2	2	4	—	—	—	—	—	—	—	1	1	—	—	—
Total	249	224	473	—	1	1	12	11	23	25	18	43	20	22	42

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	—	—	—	1	—	1	—	—	—
2. Senile	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
3. With cerebral arteriosclerosis	—	—	—	—	—	—	—	—	—	2	—	2	2	3	5
4. General paralysis	—	—	—	3	—	3	3	—	3	3	—	3	3	1	4
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	1	1	—	—	—	—	1	1	2	1	3	—	1	1
9. Alcoholic	1	1	2	5	—	5	4	1	5	2	2	4	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	—	—	—	1	1	1	1	2	—	—	—	1	—	1
13. Manic-depressive	3	1	4	3	2	5	2	3	5	3	2	5	3	—	3
14. Involution melancholia	—	—	—	—	—	—	—	1	1	1	5	6	—	—	—
15. Dementia praecox	13	8	21	4	8	12	5	7	12	5	8	13	2	3	5
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	3	—	3	2	1	3
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	1	—	1	—	1	1
18. Psychoneuroses and neuroses	—	1	1	1	—	1	—	1	1	—	1	1	—	—	—
19. With psychopathic personality	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	2	3	3	1	4	—	2	2	—	1	1	—	2	2
21. Undiagnosed psychoses	—	—	—	—	1	1	—	—	—	—	—	—	1	—	1
22. Without psychosis	—	—	—	—	1	1	1	—	1	—	—	—	—	—	—
Total	21	14	35	19	14	33	17	16	33	24	20	44	16	13	29

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	1	—	1	1	—	1
2. Senile	1	1	2	1	1	2	2	4	6	4	18	22
3. With cerebral arteriosclerosis	4	3	7	8	8	16	12	5	17	33	29	62
4. General paralysis	4	—	4	4	1	5	—	—	—	1	—	1
5. With cerebral syphilis	1	—	1	1	—	1	1	—	1	1	—	1
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	—	1	—	—	—	—	—	—	—	—	—
9. Alcoholic	2	—	2	3	—	3	—	—	—	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	2	2	1	1	2	1	—	1	—	—	—
13. Manic-depressive	—	3	3	—	1	1	—	—	—	—	1	1
14. Involution melancholia	1	5	6	—	—	—	—	—	—	—	—	—
15. Dementia praecox	2	6	8	—	2	2	—	—	—	1	—	1
16. Paranoia and paranoid conditions	—	1	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	1	1	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	—	1	1	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	1	—	1	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	—	1	—	—	—	—	—	—	—	—	—
Total	18	24	42	18	14	32	17	9	26	42	48	90

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	5	—	5	5	—	5	—	—	—
2. Senile	8	25	33	8	25	33	—	—	—
3. With cerebral arteriosclerosis	61	48	109	60	46	106	1	2	3
4. General paralysis	22	3	25	21	3	24	1	—	1
5. With cerebral syphilis	6	—	6	6	—	6	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	1	1	—	—	—
8. With other brain or nervous diseases	5	6	11	4	6	10	1	—	1
9. Alcoholic	20	4	24	20	4	24	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	1	—	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	4	5	9	4	4	8	—	1	1
13. Manic-depressive	16	17	33	15	17	32	1	—	1
14. Involution melancholia	3	10	13	3	10	13	—	—	—
15. Dementia praecox	76	71	147	74	70	144	2	1	3
16. Paranoia and paranoid conditions	5	2	7	5	2	7	—	—	—
17. Epileptic psychoses	1	3	4	1	3	4	—	—	—
18. Psychoneuroses and neuroses	1	8	9	1	8	9	—	—	—
19. With psychopathic personality	3	2	5	3	2	5	—	—	—
20. With mental deficiency	7	16	23	7	16	23	—	—	—
21. Undiagnosed psychoses	3	1	4	3	1	4	—	—	—
22. Without psychosis	2	2	4	2	2	4	—	—	—
Total	249	224	473	243	220	463	6	4	10

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable			Unascer- tained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	5	—	5	2	—	2	3	—	3	—	—	—	—	—	—
2. Senile	8	25	33	3	5	8	5	20	25	—	—	—	—	—	—
3. With cerebral arteriosclerosis	61	48	109	11	9	20	48	36	88	1	—	1	1	1	2
4. General paralysis	22	3	25	1	1	2	21	2	23	—	—	—	—	—	—
5. With cerebral syphilis	6	—	6	—	—	—	6	—	6	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
8. With other brain or nervous diseases	5	6	11	1	1	2	4	5	9	—	—	—	—	—	—
9. Alcoholic	20	4	24	—	1	1	20	3	23	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	4	5	9	1	1	2	3	4	7	—	—	—	—	—	—
13. Manic-depressive	16	17	33	—	1	1	16	16	32	—	—	—	—	—	—
14. Involution melancholia	3	10	13	—	—	—	3	10	13	—	—	—	—	—	—
15. Dementia praecox	76	71	147	17	5	22	59	66	125	—	—	—	—	—	—
16. Paranoia and paranoid conditions	5	2	7	—	—	—	5	2	7	—	—	—	—	—	—
17. Epileptic psychoses	1	3	4	—	—	—	1	3	4	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	8	9	—	—	—	1	8	9	—	—	—	—	—	—
19. With psychopathic personality	3	2	5	1	1	2	2	1	3	—	—	—	—	—	—
20. With mental deficiency	7	16	23	2	7	9	5	9	14	—	—	—	—	—	—
21. Undiagnosed psychoses	3	1	4	—	—	—	3	1	4	—	—	—	—	—	—
22. Without psychosis	2	2	4	—	—	—	2	2	4	—	—	—	—	—	—
Total	249	224	473	39	32	71	208	191	399	1	—	1	1	1	2

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	5	—	5	3	—	3	—	—	—	2	—	2	—	—	—
2. Senile	8	25	33	6	25	31	2	—	2	—	—	—	—	—	—
3. With cerebral artero-sclerosis	61	48	109	43	45	88	12	2	14	6	1	7	—	—	—
4. General paralysis	22	3	25	13	3	16	7	—	7	2	—	2	—	—	—
5. With cerebral syphilis	6	—	6	2	—	2	2	—	2	2	—	2	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	5	6	11	4	6	10	—	—	—	1	—	1	—	—	—
9. Alcoholic	20	4	24	—	—	—	—	—	—	20	4	24	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	4	5	9	2	4	6	1	—	1	1	1	2	—	—	—
13. Manic-depressive	16	17	33	11	16	27	2	1	3	1	—	1	2	—	2
14. Involution melancholia	3	10	13	3	9	12	—	1	1	—	—	—	—	—	—
15. Dementia praecox	76	71	147	49	67	116	18	2	20	9	1	10	—	1	1
16. Paranoia and paranoid conditions	5	2	7	3	2	5	—	—	—	2	—	2	—	—	—
17. Epileptic psychoses	1	3	4	1	2	3	—	1	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	8	9	1	7	8	—	1	1	—	—	—	—	—	—
19. With psychopathic personality	3	2	5	3	1	4	—	—	—	—	1	1	—	—	—
20. With mental deficiency	7	16	23	4	16	20	1	—	1	2	—	2	—	—	—
21. Undiagnosed psychoses	3	1	4	2	1	3	1	—	1	—	—	—	—	—	—
22. Without psychosis	2	2	4	1	2	3	—	—	—	1	—	1	—	—	—
Total	249	224	473	151	207	358	46	8	54	50	8	58	2	1	3

TABLE 13. Marital Condition of First Admissions Classified with Reference to Principal Psychoses

Psychoses	Total		Single		Married		Widowed		Separated		Divorced		Unascertained
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1. Traumatic	5	—	3	—	1	—	1	—	—	—	—	—	—
2. Senile	8	25	7	33	3	—	4	15	—	—	—	—	—
3. With cerebral arteriosclerosis	61	48	10	109	26	18	24	21	1	—	—	—	—
4. General paralysis	22	3	5	25	15	2	17	1	1	—	1	—	—
5. With cerebral syphilis	6	—	2	6	3	—	1	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	5	6	1	11	3	2	1	—	—	—	—	—	—
9. Alcoholic	20	4	8	24	8	3	2	2	—	—	2	1	—
10. Due to drugs and other exogenous toxins	1	—	—	1	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	4	5	2	9	2	2	—	1	—	—	—	—	—
13. Manic-depressive	16	17	4	33	4	6	10	21	1	1	—	—	—
14. Involution melancholia	3	10	—	13	—	2	2	7	—	—	—	—	—
15. Dementia praecox	76	71	57	147	30	87	19	37	—	—	3	3	—
16. Paranoia and paranoid conditions	5	2	—	7	4	1	—	1	—	—	1	—	—
17. Epileptic psychoses	1	3	—	4	—	—	—	1	—	—	—	—	—
18. Psychoneuroses and neuroses	1	8	—	9	1	3	—	—	—	—	—	—	—
19. With psychopathic personality	3	2	1	5	2	—	—	—	—	—	2	—	—
20. With mental deficiency	7	16	6	23	6	12	18	—	—	—	—	—	—
21. Undiagnosed psychoses	3	2	1	4	2	1	1	—	—	—	—	—	—
22. Without psychosis	2	2	—	4	2	—	—	—	—	—	—	—	—
Total	249	224	100	473	108	91	35	45	2	1	4	6	—

TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males	Females	Total
1. Traumatic psychoses	1	—	1
2. Senile psychoses	1	4	5
3. Psychoses with cerebral arteriosclerosis	1	3	4
4. General paralysis	2	2	4
5. Psychoses with cerebral syphilis	—	1	1
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	3	2	5
9. Alcoholic psychoses	10	1	11
10. Psychoses due to drugs and other exogenous toxins	—	—	—
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	—	—	—
13. Manic-depressive Psychoses	18	15	33
14. Involution melancholia	1	—	1
15. Dementia praecox	18	23	41
16. Paranoia and paranoid conditions	—	1	1
17. Epileptic psychoses	1	2	3
18. Psychoneuroses and neuroses	2	1	3
19. Psychoses with psychopathic personality	—	—	—
20. Psychoses with mental deficiency	3	6	9
21. Undiagnosed psychoses	—	—	—
22. Without psychosis	2	—	2
Total	63	61	124

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	1	—	1	—	—	—
2. Senile	1	4	5	—	—	—	—	2	2	1	2	3
3. With cerebral arteriosclerosis	12	6	18	—	—	—	11	5	16	1	1	2
4. General paralysis	3	2	5	—	—	—	3	1	4	—	1	1
5. With cerebral syphilis	1	—	1	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	2	4	6	—	—	—	2	4	6	—	—	—
9. Alcoholic	21	5	26	1	—	1	20	5	25	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	3	5	8	—	—	—	3	5	8	—	—	—
13. Manic-depressive	23	45	68	—	—	—	22	45	67	1	—	1
14. Involution melancholia	3	3	6	—	—	—	3	2	5	—	1	1
15. Dementia praecox	36	40	76	—	—	—	34	36	70	2	4	6
16. Paranoia and paranoid conditions	4	2	6	1	—	1	3	1	4	—	1	1
17. Epileptic psychoses	2	1	3	—	—	—	2	1	3	—	—	—
18. Psychoneuroses and neuroses	2	5	7	—	—	—	2	4	6	—	1	1
19. With psychopathic personality	3	1	4	—	—	—	1	1	2	2	—	2
20. With mental deficiency	1	8	9	—	—	—	1	8	9	—	—	—
21. Undiagnosed psychoses	1	—	1	—	—	—	1	—	1	—	—	—
22. Without psychoses	1	—	1	—	—	—	—	—	—	—	—	—
Total	120	131	251	2	—	2	110	120	230	7	11	18

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses

CAUSES OF DEATH	Total			Senile		With cerebral arterio-sclerosis	General paralysis		Alcoholic	Manic-depressive		Involution melancholia
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>												
Lethargic encephalitis	1	1	2									
Tuberculosis of the respiratory system	13	8	21							2	2	1
Syphilis (non-nervous forms)	1	1	2							1	1	
Purulent infection, septicæmia												
<i>General Diseases not Included in Class I</i>												
Cancer and other malignant tumors	2	7	9									
Rheumatism	1	1	2									
Diabetes	1	1	2									
Other general diseases	3		3									
<i>Diseases of the Nervous System</i>												
Cerebral hemorrhage, apoplexy	5	5	10	1	1	2						
General paralysis of the insane	18	4	22				18	4	22			
Other forms of mental diseases		1	1									
Epilepsy		1	1									
<i>Diseases of the Circulatory System</i>												
Endocarditis and myocarditis	22	32	54	3	4	7				3	1	4
Arteriosclerosis	44	52	96	13	17	30				2	1	3
Other diseases of the circulatory system	1		1							3	2	5
<i>Diseases of the Respiratory System</i>												
Bronchitis		1	1									
Bronchopneumonia	5	8	13	1	3	4				1	1	
Lobar pneumonia	5	8	13	1	3	4						
Other diseases of the respiratory system (tuberculosis excepted)		2	2		1	1						
<i>Diseases of the Digestive System</i>												
Diarrhea and enteritis	2	1	3									
Other diseases of digestive system (cancer and tuberculosis excepted)		2	2							1	1	1
<i>Non-Veneral Diseases of Genito-Urinary System and Annexa</i>												
Nephritis	1	1	2									
Other diseases of kidneys and annexa		1	1									
<i>External Causes</i>												
Suicide	2	1	3									
Accidental traumatism	1	1	2							2	1	3
Total	127	138	265	18	33	51	18	5	23	10	8	18
				42	42	84	7	6	13	2	7	9

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded

CAUSES OF DEATH	Dementia praecox		Paranoia or paranoid conditions		Epileptic psychoses		Psycho- neuroses and neuroses		With psychopathic personality		With mental deficiency		All other psychoses					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
<i>Epidemic, Endemic and Infectious Diseases</i>																		
Lethargic encephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1			
Tuberculosis of the respiratory system	7	4	11	—	—	—	—	—	—	—	2	2	—	2	2			
Syphilis (non-nervous forms)	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1			
Purulent infection, septicaemia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
<i>General Diseases not Included in Class I</i>																		
Cancer and other malignant tumors.	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—			
Rheumatism	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Diabetes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Other general diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1			
<i>Diseases of the Nervous System</i>																		
Cerebral hemorrhage, apoplexy	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—			
General paralysis of the insane	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Other forms of mental disease	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—			
Epilepsy	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—			
<i>Diseases of the Circulatory System</i>																		
Endocarditis and myocarditis	2	9	11	—	1	1	—	1	1	—	—	—	—	1	1			
Arteriosclerosis	2	5	7	1	—	1	—	—	—	—	1	1	2	2	3			
Other diseases of the circulatory system	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—			
<i>Diseases of the Respiratory System</i>																		
Bronchitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Bronchopneumonia	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—			
Lobar pneumonia	1	2	3	—	—	1	—	1	—	—	—	1	1	—	—			
Other diseases of the respiratory system (tuberculosis excepted)	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—			
<i>Diseases of the Digestive System</i>																		
Diarrhea and enteritis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Other diseases of digestive system (cancer and tuberculosis excepted)	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—			
<i>Non-Veneral Diseases of Genito-Urinary and System Annæa</i>																		
Nephritis	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—			
Other diseases of kidneys and annexa	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1			
<i>External Causes</i>																		
Suicide	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Accidental traumatism	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—			
Total	19	26	45	1	1	2	1	2	3	—	2	2	3	2	5	6	4	10

Includes group 22, "without psychosis."

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Under 15 years		15-19 years		20-24 years		25-29 years		30-34 years		35-39 years	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	18	33	51	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	42	42	84	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	18	5	23	-	-	1	-	-	-	-	-	-	-	4	1
5. With cerebral syphilis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	4	5	-	-	1	-	-	-	-	-	-	-	-	-
9. Alcoholic	7	6	13	-	-	-	-	-	-	-	1	1	-	1	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	3	-	3	-	-	-	-	-	-	-	-	1	-	1	-
13. Manic-depressive	10	8	18	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	2	7	9	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	19	26	45	-	-	-	-	-	-	2	1	3	4	7	1
16. Paranoia and paranoid conditions	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	1	2	3	-	-	1	-	-	-	-	-	1	-	-	-
18. Psychoneuroses and neuroses	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	3	2	5	-	-	1	1	2	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	127	138	265	-	-	4	1	5	-	2	2	4	4	6	10

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES	40-44 years		45-49 years		50-54 years		55-59 years		60-64 years		65-69 years		70 years and over	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	1	1
2. Senile	-	-	-	-	-	-	1	2	1	2	4	3	12	27
3. With cerebral arteriosclerosis	-	-	1	-	1	1	5	1	5	4	7	4	23	39
4. General paralysis	3	1	4	5	-	-	1	1	2	1	1	1	23	32
5. With cerebral syphilis	-	-	-	-	-	-	1	1	2	1	3	1	1	55
6. With Huntington's chorea	-	-	-	-	-	-	-	-	1	1	-	-	-	1
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	1	1	2	2	-	2	1	1	-	-	1	-	-	1
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	1	1	1	1	-	-
13. Manic-depressive	2	-	2	1	3	2	5	-	2	2	1	2	1	2
14. Involution melancholia	-	-	1	1	2	1	2	-	1	3	4	1	1	2
15. Dementia praecox	3	2	5	1	4	1	2	3	2	2	2	4	2	6
16. Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	-	1	-	2	8
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	1
18. Psychoneuroses and neuroses	-	1	1	-	-	1	1	-	-	-	-	-	-	1
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	1	1	1	-	-	-	-	-	-	1	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	9	6	15	11	9	20	6	9	15	11	12	23	41	68
											18	11	29	109

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

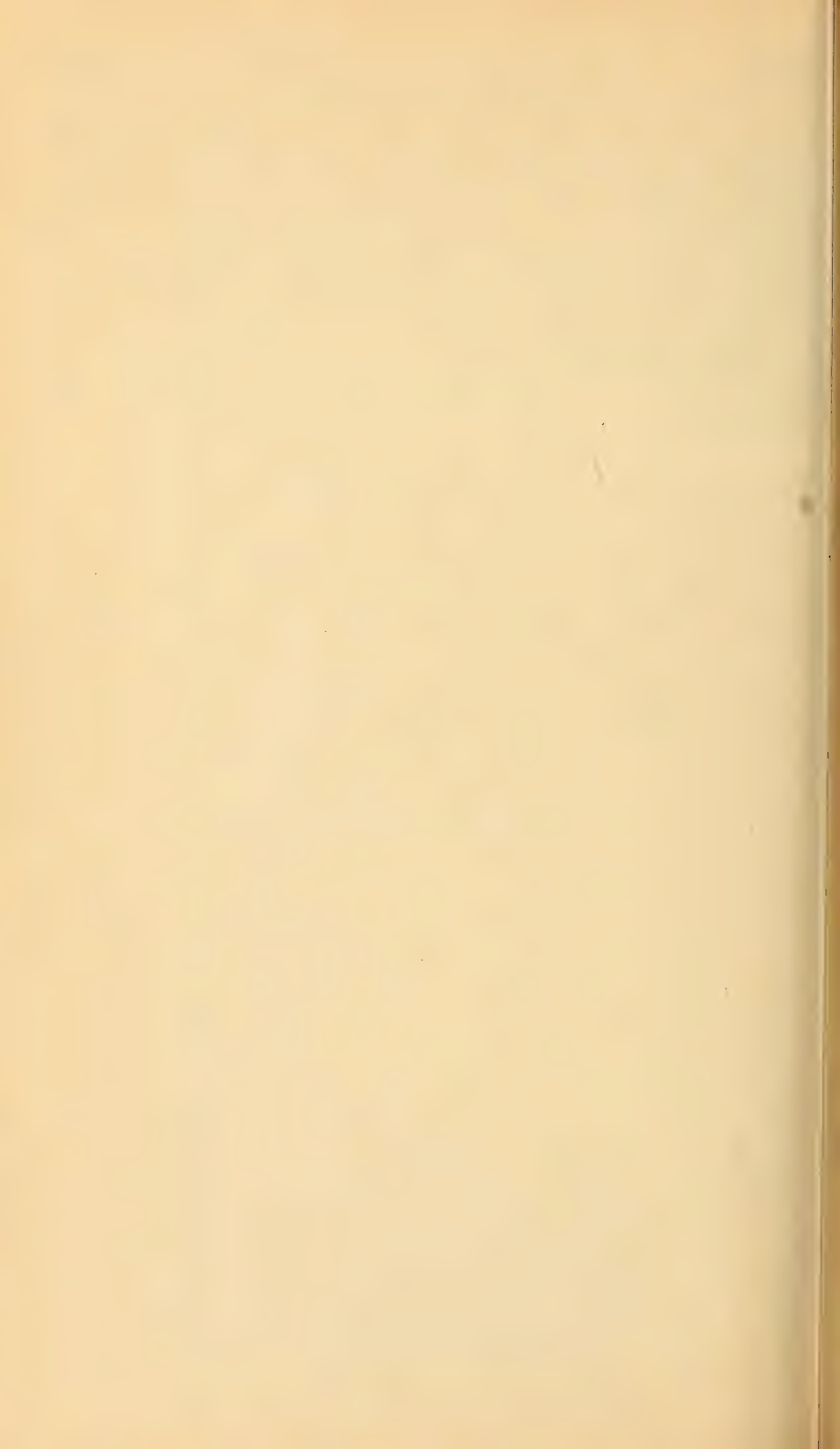
PSYCHOSES	Total			Less than 1 month			1-3 months			4-7 months			8-12 months			1-2 years			3-4 years			
	M. F. T.			M. F. T.			M. F. T.			M. F. T.			M. F. T.			M. F. T.			M. F. T.			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic	1	-	1	-	-	-	1	-	1	-	3	-	-	4	1	-	6	10	16	-	-	-
2. Senile	18	33	51	-	3	3	2	10	12	2	1	3	-	4	1	5	6	10	16	1	4	5
3. With cerebral arteriosclerosis	42	42	84	15	11	26	11	13	24	4	2	6	3	1	4	3	6	9	5	5	10	
4. General paralysis	18	5	23	3	-	-	5	1	6	1	-	1	2	1	3	5	3	8	2	-	-	
5. With cerebral syphilis	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases	1	4	5	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
9. Alcoholic	7	6	13	1	1	2	1	4	5	1	-	1	1	-	-	1	2	3	2	-	-	
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12. With other somatic diseases	3	-	3	2	-	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	
13. Manic-depressive	10	8	18	1	-	1	1	1	1	1	2	3	-	-	-	3	1	4	1	1	1	
14. Involution melancholia	2	7	9	-	1	1	1	1	2	1	-	1	-	1	1	-	1	1	1	1	1	
15. Dementia praecox	19	26	45	1	5	6	-	1	1	-	1	1	-	3	3	-	3	3	4	2	6	
16. Paranoia and paranoid conditions	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	
17. Epileptic psychoses	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	
18. Psychoneuroses and neuroses	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20. With mental deficiency	3	2	5	-	-	-	-	-	-	-	-	-	-	2	2	-	1	1	-	-	-	
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	127	138	265	23	22	45	23	31	54	10	6	16	11	9	20	22	29	51	13	13	26	

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded*

PSYCHOSES	5-6 years			6-8 years			9-10 years			11-12 years			13-14 years			15-19 years			20 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	1	1	2	-	1	1	-	2	-	-	-	-	-	1	1	-	-	-	-	1	1
3. With cerebral arteriosclerosis	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-	1
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	1	1	2	1	-	1	-	1	1	1	1	1	-	-	-	1	-	1	-	2	2
14. Involution melancholia	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	1	1	1	3	2	5	2	2	4	1	2	3	-	-	-	1	-	1	6	5	11
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	4	4	8	4	5	9	4	4	8	1	4	5	1	1	2	3	2	5	8	8	16

TABLE 19. *Family Care Department*

	Male	Female	Total
Remaining in Family Care October 1, 1930	—	14	14
On Visit from Family Care October 1, 1930	—	—	—
Admitted during year	—	3	3
Whole number of cases within the year	—	17	17
Dismissed within the year	—	—	—
Returned to institution	—	3	3
Discharged	—	1	1
Died	—	—	—
On visit	—	—	—
Remaining in Family Care September 30, 1931	—	13	13
Supported by State	—	13	13
Private	—	—	—
Self-supporting	—	—	—
Number of different persons within the year	—	17	17
Number of different persons dismissed	—	1	1
Number of different persons admitted	—	—	—
Average Daily Number in Family Care during the year	—	14.8	14.8
Supported by State	—	13.3	13.3
Private	—	1.5	1.5
Self-supporting	—	—	—



The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1932

1932

DEPARTMENT OF MENTAL DISEASES



PUBLICATION OF THIS DOCUMENT APPROVED BY THE COMMISSION ON ADMINISTRATION AND FINANCE
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OCCUPATIONAL PRINTING PLANT
DEPARTMENT OF MENTAL DISEASES
GARDNER STATE COLONY
GARDNER, MASS.

DANVERS STATE HOSPITAL

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EDGAR C. YERBURY, M.D., *Assistant Superintendent*.
SALOMON GAGNON, M.D., *Senior Physician*.
HENRY A. TADGELL, M.D., *Senior Physician*.
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CHARLES H. ENDEE, D.M.D., *Dentist*
GRACE H. KENT, Ph.D., *Psychologist*

HEADS OF DEPARTMENTS

MR. ARTHUR E. REED, *Supervisor, Male Department*
MISS OLIVE F. ESTEY, R.N., *Principal of School of Nursing*
MISS GRACE MANNING, R.N., *Supervisor, Female Department*
MISS GLADYS E. LEACH, *Treasurer*
MR. ADAM D. SMITH, *Steward*
MISS MARY H. HOLLAND, *Head Social Worker*
MR. SAMUEL A. CLARK, *Chief Engineer*
MR. WILLIAM GORDON, *Head Farmer*
MR. CARLTON B. MOSHER, *Foreman Mechanic*
MISS MARJORIE FISH, *Head Occupational Therapist*

CONSULTING PHYSICIANS

S. CHASE TUCKER, M.D., *Surgeon*
PHILIP R. DWYER, M.D., *Ophthalmologist*
JOHN D. ADAMS, M.D., *Orthopedic Surgeon*
RALPH E. STONE, M.D., *Internist*
PAUL E. TIVNAN, M.D., *Roentgenologist*

TRUSTEES' REPORT

To His Excellency the Governor, and the Honorable Council:

The trustees of the Danvers State Hospital respectfully offer the following annual report, including the report received by us from the Superintendent and the reports received by him from the various departments:

The Board has continued to hold monthly meetings at the hospital, for conference with the Superintendent, concerning the development of the institution and the upkeep of the plant.

The new dining room building is completed, but the fixtures have not as yet been procured and put in place, so that at this writing the new building is not occupied as a cafeteria. However, this should take place within a very short time.

The rear entrance to the main building has been greatly improved in appearance. New walks have been constructed and many ornamental shrubs have been set out, thus furnishing an attractive outlook from the wards.

The completion and occupancy of the new officer's cottage has relieved to an appreciable extent the congestion of the staff quarters.

The Board finds that the institution has been conducted with economy, and yet that the interests of the patients have been well served. The productive power of the patients has been utilized to a high degree in working on the farm, in the

kitchen and laundry, and in all the work of caring for the grounds. This work is especially valuable since it not only helps in restoring the patient to normal mental health, but is a great benefit to the institution. The patients are permitted to share in all the activities and are encouraged to take pride in the productions of their labor. Their contentment is increased and their self-respect stimulated by their helpfulness.

The hospital is reaching out more and more into the community through its regular extra-mural clinics and lectures given in the out-lying towns by members of the staff. We have taken particular notice of the efforts of the Superintendent to employ on the outside the so-called over-active patients. A large number of these cases were given employment in the fields during the warm weather, with excellent results, many having improved so that they were allowed to go home, while others here graduated to more complicated details. Active treatment measures have permitted the institution to return to their homes a large number of patients, which deserves commendation.

The Board supports the Superintendent cordially in the various activities of the institution.

Respectfully submitted,

S. HERBERT WILKINS, *Chairman*

JAMES F. INGRAHAM

DR. ARTHUR C. NASON

WILLIAM W. LAWS

MRS. ANNA P. MARSH

MRS. ANNIE T. FLAGG

ALBION L. DANFORTH

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-fifth annual report of the Superintendent for the fiscal year ending November 30, 1932, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1932.

MOVEMENT OF POPULATION

The hospital year opened on October 1, 1931, with 2,053 patients in the hospital, 245 on visit, 11 on escape, and 13 in family care, making a total of 2,322.

The year ended on September 30, 1932, with 2,075 patients in the hospital, 252 on visit, 7 on escape, and 9 in family care, making a total of 2,343.

The number of admissions during the year: 469 male; 369 female; total 838, a decrease of 22 over the preceding year.

There were no voluntary patients admitted during the past year; 32 patients were transferred from other institutions; 89 men and 36 women were admitted on temporary care papers and 56 men and 39 women were admitted on thirty-five day observation papers.

FIRST ADMISSIONS

There were 654 patients admitted to this or any hospital for the first time, which is an increase of 10 over the preceding year.

DAILY POPULATION

The total average population for the year ending September 30, 1932, was 2,071, an increase of 36 over last year. There were 3,160 patients treated during the year as compared with 3,252 in 1931.

During the year, 301 patients died in the institution which number is 6 more than the preceding year.

DISMISSALS

During the past year; 417 patients were discharged from the institution; 234 men and 183 women. Classified as to their condition on discharge: 48 as recovered; 250 as improved; 29 as unimproved; and 90 as without psychosis. The figures for the preceding year were as follows: 62 as recovered; 268 as improved; 40 as unimproved; and 86 as without psychosis.

On September 30, 1932, there were 252 patients on trial visit in care of friends or under hospital supervision as compared with 245 in 1931.

Since the organization of the hospital, 31,280 patients have been admitted and 28,937 discharged.

Medical Administration

The following changes in personnel of the staff occurred during the year:

Appointments: — Dr. William C. Inman, appointed Assistant Physician March 7, 1932.

Resignations: — Dr. Anna M. Allen, resigned May 31, 1932.

Clinical Assistants: — Dr. Lois Taylor, Dr. Daniel M. Killoran, Dr. Edward A. Shibel, Dr. Franklin E. Campbell, Jr.

MEDICAL SERVICE

The medical service has continued to function with the same degree of efficiency as in previous years in spite of the vacancies that now exist in the medical staff. The wards are still being visited twice daily by a physician and, at least, once a week at night. Frequent conferences are held for the purpose of discussing the treatment of cases, as well as the regular daily staff conferences for the discussion of diagnosis, discharged, and visit of patients. During the month of November there was a slight epidemic of basillary dysentery (Hiss Y. type), but this was controlled by careful segregation of the cases. The number of accident cases occurring in the community, which have required first aid treatment, still is on the increase.

Our consulting physicians and surgeons have continued to serve the hospital in a highly efficient manner when called in for special cases, and for this I wish to express my sincere appreciation for their valuable assistance.

HYDROTHERAPY DEPARTMENT

This department has functioned very actively during the past year and for the most part our continuous bath rooms have been taxed to capacity. There is still a great need for increasing the number of baths as this is a most valuable form of treatment, and many more patients could receive this treatment with benefit. Each new nurse and attendant is given thorough instructions in hydrotherapeutic measures by a trained hydrotherapist before they are permitted to administer any form of hydrotherapy.

The usual good results are seen in the sedative forms of treatment of overactive and excited cases, and the tonic bath treatments are still producing marked improvements in the depressed types. A brief report of this department shows that 672 patients were treated by the application of the wet sheet pack. This represents the administration of 16,130 packs or 47,961 hours of treatment. In the continuous baths 418 patients were treated for 19,216 hours. The total number of baths given were 4,851. The total number of patients treated with tonic baths were 566. This represents 6,768 treatments.

PHYSIOTHERAPY DEPARTMENT

On April 25, 1932, the physiotherapy department was opened as a separate department, with a trained physiotherapist in charge of administration of treatments. Suitable quarters have been provided on the sunparlor on ward C-1, central to all parts of the hospital. The physiotherapy suite is light, and airy, and well equipped. At the present time, the space is divided into cubicles, or small treatment rooms, the spaces being separated from one another by sliding curtains, making it possible to give many treatments at one time. Our apparatus consists of four 600 watt zoalite infra-red ray generators, of the coil type, and one 1,500 watt infra-red ray generator, of the plate type, loaned by the Superintendent; two air-cooled mercury-quartz arc ultra-violet light generators, of modern design; one water-cooled mercury-quartz arc ultra-violet light generator; one portable diathermy machine, and one large "High-tension" diathermy outfit, with attachments for auto-condensation treatments, and the electric needle.

Our work has been so extensive that it has been necessary to have assistance in administering treatments, and this has been provided from the nursing service. One nurse is on duty in the department for a period of two months, and she receives instruction from the physiotherapist and is allowed to carry out practical treatments under the direction of the physiotherapist.

During the six months ending November 30, 1932, a total of 3,511 treatments have been given, with gratifying results. This total consists of the following:

Infra-red radiations, 1,364; diathermy treatments 336, sinusoidal current treatments 736, ultra-violet ray, air-cooled 472, ultra-violet ray, water-cooled 141, auto-condensation treatments 106, electro-dessication treatments 13, massage 343.

VENEREAL CLINIC

This clinic continues to function as it has in previous years and because of the large number of cases treated it is still necessary to reserve a day for the treatment of female as well as male cases. Various forms of arsenic, mercury and bismuth are still being used with good results, but malarial therapy is used to supplement this treatment in certain selected cases. Follow-up treatment is given to many of our patients who are out on visit and return for treatments.

DENTAL SERVICE

Our resident dentist and dental hygienist have continued to examine all newly admitted patients and doing such prophylactic work as would enhance the health of the patient. All patients have been given a periodical dental examination and treatments carried out when they have been indicated. The following table indicates the amount of work completed during the year:

December 1, 1931 to December 1, 1932

Extractions	1,400
Fillings	392
(Silver cement and silver amalgam, 94; silver amalgam, 159; porcelain, 46; cement, 15; copper amalgam, 1; chloropercha root canal, 6; gold foil 1; ZNO ₂ and eugenol, 70.)	
Prosthetics	31
(Completed full plates compound, 17; completed partial plates, 1; repaired full plates, 8; repaired partial plates, 2; relined plates, 3.)	
Cleanings	1,233
Oral treatments in general	414
(Vincent's infection, canker sores, gingivitis, abscesses.)	
Miscellaneous corrections	47
Referred to x-ray	21
Re-examinations	807
New patients examined	753
Total number of office visits	2,706
Lectures	6 hrs.
Administered nitrous oxide anaesthesia	3 cases

ENTERTAINMENTS

During the first part of the year no motion pictures were shown because of the installing of a new talking picture machine. This was put into operation in October and is much appreciated by our patients. The dances have been provided weekly except for the summer months, when baseball games were played for the entertainment of our patients, between the hospital team and those from surrounding towns. The American Legion Auxiliaries of Essex County have continued to entertain our ex-service men weekly with special entertainments and on one or two occasions throughout the year have invited other patients as well. It was through the kindness of Mr. George Libby that a professional vaudeville show was given in April. We are indebted to Messrs. Darius A. Ives, Sam Harris and Walter M. Smith for providing three excellent band concerts. The usual Field Day scheduled for July 4th was postponed until Labor Day because of the inclemency of the weather. The Christmas holiday season was celebrated by a week of special entertainment.

PSYCHIATRIC CLINICS

The usual after-care clinics have continued to function at regular intervals in Gloucester, Haverhill, Lawrence, Lynn, Malden, Newburyport and Salem. Some of the clinics have handled a maximum of cases while at others only one or two cases report regularly. Several patients have been referred to these clinics by outside physicians for diagnosis and advice. Our work of examining juvenile delinquents has increased to a marked degree so that it is now necessary to send a physician to the courts for these examinations one or two days a week.

ADULT MENTAL HYGIENE CLINIC

There has been no change in the operation of the adult mental hygiene clinic in Lynn, which has now been in operation over a period of four years. The number of new cases referred to this clinic seemed to be increasing to such an extent that it was necessary to establish an appointment system.

X-RAY DEPARTMENT AND LABORATORY SERVICE

For the first six months of the present year the x-ray department and laboratory service were under the direction of Dr. Anna M. Allen. On June 1, 1932, Dr. Allen was promoted to the position of State Pathologist in the Department of Mental Diseases, and Dr. Charles C. Joyce took over her position in the x-ray department and laboratories.

During the year steps were taken to provide for the embedding in paraffin and sectioning and staining of tissue sections taken at autopsy. This is a line of work which in recent years was not carried out to any great extent, and it is expected that its re-establishment will bring the clinical staff and laboratory staff into closer relationship and provide a greater unity of interest and action.

The scope of the bacteriological work was somewhat broadened, and largely with equipment on hand. An autoclave and dry air sterilizer were made available in the laboratory. A new eight arm centrifuge was acquired, as well as a new metabolism tester.

At the very end of the year a new portable x-ray outfit was installed, which will add materially to the comfort of those patients who cannot be moved without difficulty. With this outfit x-ray plates may be made on patients without moving them from their beds and it will obviate the necessity of moving feeble patients from the Colony to the main building for x-ray study.

Following is a report of the year's work:

Autopsies	56
Bacterial cultures	104
Basal metabolic rate determinations	42
Blood chemistry:	
Blood sugar	37
N. P. N.	13
Icteric index	1
Sugar tolerance	1
Blood cultures	11
Blood examinations:	
Red blood cells	903
White blood cells	972
Differential	119
Hemoglobin determinations	903
Coagulation time	6
Gynecological smears	254
Spinal fluids:	
Gold sols.	355
Cell counts	3
Sputum examinations	56
Stool examinations (including culturing)	13
Tissues sectioned	104
Urinalysis	2,958
X-ray plates taken	841

OCCUPATIONAL THERAPY DEPARTMENT

During the past year the Occupational Therapy Department has increased its number of treatment groups to a total of fourteen classes, which it is felt is the maximum number that can be adequately handled. This includes two groups at the work-shop, eight ward classes, and four physical education classes. Included in the count, are the new classes conducted in the Male and Female T. B. cottages. Division of classes is as follows: admission, chronic, disturbed and excited, improved and special treatment, T. B., and physical education for deteriorated and excited cases.

There have been altogether 565 patients under treatment, averaging about 318 per month. Of the total number, 163 have been promoted to hospital industry, and 95 have gone home on indefinite visit.

The record system, in the form of weekly and monthly progress charts, is still continued and presented to the physicians each month.

The flower garden adjoining the work-shop, which was begun last year, has prospered this year, and was kept in splendid condition by a group of interested patients.

The Department has aided in decorations for social functions, and has given several parties for all hospital patients, as well as affairs for its own classes. A booth was conducted at the annual Topsfield Fair. A portion of the booth was reserved for goods from the Industrial Department of the hospital.

During the past year there have been in our training course, two groups of students, four each, from the Boston School of Occupational Therapy. Each group spent a six-month period in psychiatric instruction and practical experience. As part of their program, students carry on special projects. During the past year these have included the following:

a. Community singing in the Chapel for male and female patients — one evening a week for each group. Home talent has been encouraged, and there have been usually one or two soloists each meeting.

b. A Marionette project was completed. The dolls were made and dressed in the female ward classes, and the stage set-up built in our Shop. In June the play "Jack and the Beanstalk" was presented in the Chapel before the patients and employees.

c. Recreational Thérapy, consisting of evening ward groups, on the male and female services. The purpose here has been to build each ward into more of a unit by stimulating a ward "community spirit". Special efforts are made to encourage those who usually just sit, to enter into activities which include cards, checkers, singing, reading, etc.

d. O. T. Garret Club — Rooms in the old employees quarters on the fourth floor, on the male and female sides, have been furnished attractively with materials made in classes, and accommodate special groups working more or less along dramatic lines. The group of male patients have spent the past few months making puppets and practicing manipulation for short sketches. The female group have been working on one act plays.

A twenty-four hour course, including nine hours lecture and fifteen hours craft-work, is given each three month group of affiliate nurses, and also the nurses of the hospital training school.

The following changes in Department personnel have taken place within the past year:

Miss Lois F. Cushman, who is now in the O. T. Department of Foxborough State Hospital, has been replaced by Miss Elizabeth Selfridge, graduate of the Boston School of Occupational Therapy.

Miss Miriam E. Hilton left to be married in October. Her place has been filled by Miss Margaret Oveson, graduate of the Boston School.

Miss Ruth Lawson, formerly head of the Physical Education, has been replaced by Miss Madelyn Lyons, graduate of the Posse-Nisson School of Physical Education

Miss Marjorie Fish, has assumed directorship of the Department, filling the position held by Miss Gwynne Dresser, who has returned to her home in California.

CONSTRUCTION REPORT

During 1932 the following work was accomplished by the mechanical department, which includes the carpenters, painters, masons and blacksmith.

Carpenters: Finishing of new cottage inside. Building of bull pens at barn. Shelving and repairs at greenhouses. General repairs at piggery. Building of room in sub-basement, rear center. Windows and guards, rear center. Making of tables and chairs for new dining rooms. Building of locker rooms in male basement. Repairs on carts, wagons, sleds and farm machinery. Making of tables, cabinets, desks, bushel boxes, greenhouse boxes, screens, screen doors, etc. Making of doors, jambs, etc., at Middleton Colony.

Staging and repairs at Power House. Fitting up clothes room and repairs at Farm Hall. Setting machines in new bakery. Putting in track and new doors at slaughter house. Laying of tracks in rear center basement. Making and setting of picture screen in chapel. Fencing of cemetery at Middleton Colony. Building of fire escapes at Middleton Colony. Cleaning of reservoir. Making of feeders and general repairs at henery. Repairs on smoking rooms on H-1 and H-2 wards. Scraping of floors and general repairs at Cottage No. 1. Putting in bulkhead at H building. Building room for feed grinder and general repairs in barn. Fitting up linen room in basement. Making of coffins in shop. Putting up partitions between walks in new basement.

Masons: Brick work in basement of new cottage. Building brick tank room in sub-basement. Building of brick locker rooms in male basement. Pouring of cement for bull pens in barn. Laying of drain lines in rear center basement. Plastering and patching in main building. Cementing floors in male basement. Making of cement markers for cemetery. Making of cement pipes. Building brick walls at Middleton Colony. Lining of fire boxes, boilers, ovens and ranges. Building of duct from dining room to garage. Building of cement walks at new cottage. Retopping of chimneys on main building. Building incinerator in D basement. Putting in cement floor at barn. Laying of 20" drain line in field. Building of rain water catch basins. Laying cement floor in new rear center basement. Pouring cement foundations for fire escapes at Middleton Colony. Laying of Tarvia side-walks outside. Pouring of cement curbs in new dining rooms.

Painters: Glass set for year: 2,179 lbs. Painting inside surgical building. Painting inside wards and rooms D-1 and H-1. Painting inside male bath house. Painting and finishing of beds in shop. Painted Male T. B. outside. Painting of all brine line coverings. Painting of carts and wagons. Painting and finishing inside Cottage No. 10. Painting screens, doors, etc. Painting front center staff dining room. Finishing of new tables and chairs for cafeterias. Painting windows, doors, and trimmings outside main building. Painting and papering inside Cottage No. 4. Painting of fire escapes, doors, etc. at Middleton Colony. Painting and papering front center. Painting and papering inside Cottage No. 1. Painting of grills on basement walks. Painting inside creamery building. Finishing of wood-work in chapel. Whitewashing basement of main building and barn.

Blacksmith: Shoeing of horses. Making of drills, pipe hangers. Sharpening of pickaxes. Repairs on carts, wagons and farm machinery. Repairs on basement trucks, springs on beds, etc. Repairs of ceiling tracks in Service Building and Slaughter House. Cutting and drilling iron for fire escapes in shop. Making of swirl tubs and irons for cow stanchions. Bars, rods, etc. in Boiler House furnace. General jobbing.

ENGINEER'S REPORT

The outstanding accomplishments of the Engineering Department for 1932 are as follows:

Installed an R.C.A. talking picture outfit in the chapel. In addition to this, two record pick-ups were installed, one in the chapel and one in the new dining hall. Both of these record pick-ups are wired to use the amplifier in the picture machine booth.

Exit signs were installed and wired, over six exits in the chapel.

New electric cables were installed between the main distributing switchboard and the entrance to each tunnel of the main hospital.

New underground cable was installed for five street lights to be installed later along the new walk next to the new building.

Service lines from new building to the garage were repaired and replaced where necessary, and in addition, an electric clock line was installed. Electric clock lines were installed under ground between J building and the Male T. B., and also between the surgical building and the Female T. B.

The ventilating fan in the B building attic was equipped with a five h.p. electric motor and a V-belt drive. The vent ducts were all cleaned and the fan put in operation. The result has been very satisfactory. A very much better atmosphere is maintained throughout the B building. We hope to equip other buildings in the same way as soon as possible.

A new grain and hay grinder was installed at the barn. This required the installation of a 20 h.p. motor with a V-belt drive. The hay hoist was moved to a scaffold in the front of the barn and a 2 h.p. motor installed there to operate the hoist. The root cutter was removed to the barn cellar and shafting and belts installed to drive it from the old $7\frac{1}{2}$ horse power motor already installed there. These changes have reduced the fire hazard at the barn and have done away with a dangerous over-crowding of machinery that existed there. It has also speeded up the grinding tremendously.

At the Employee's Home four new bathrooms were installed, one on each floor. Each bathroom contains two lavatories, one water closet, and one shower bath. This addition was needed badly and is very much appreciated by the employees.

The high pressure steam line from B building to the greenhouse was replaced by a 2" line of copper pipe. The greenhouse, Employees' Home, and the Nurses' Home all depend on this line for heat.

The old service water heater, which was removed from the site of the new dining room building, has been set up in the power house to act as a feed water heater. This year we connected the water to this heater and to the boilers, with 3" copper pipe. We installed an old terry cloth filter in the line between the heater and the boilers. We find that we are able to filter out a large part of the precipitate, which is thrown down by our trisodium phosphate treatment of the feed water. It will result in better and more economical boiler operation.

The ammonia condenser at the Power House was repiped, all of the $1\frac{1}{4}$ " water pipe having developed pitting to such an extent as to be unsafe. All of the 950 ft. of old pipe removed has been used in the fabrication of railings and fences.

Surface drains at five different points on the property have been going into the sewerage system. These have been removed from the sewers and diverted to proper channels so that the institution would not have the cost of pumping to pay for.

Shallow wells have been driven around the Power House to get a cooling water supply for our ammonia condenser. About forty wells have been put down at an average depth of about 18 ft. These wells will be piped together and pumping equipment installed this coming year. This water supply will cut our water bill about \$4,000 per year at the present rates. Our expenditures for this job were \$2,550.

FARM REPORT

Although an unusually severe drought all through the early summer curtailed somewhat the hay and potato crops, the farm production for the year was quite satisfactory.

The farm produced 438,000 quarts of milk, a daily average of almost 1,200 quarts; 100,000 lbs. of pork; 13,000 lbs. beef; 14,886 dozen of eggs; 6,433 lbs. fowl; 5,393 lbs. chicken; 3,500 bushels of potatoes, as well as the usual heavy supply of vegetables.

During the year much was accomplished in the way of improvements to both farm and grounds, etc. The gravel pit on Dayton Street, purchased from the Town of Danvers in 1931, has been cleaned up and graded, and is now part of a field. The material used for grading and filling this pit being more or less sand or gravel, the crops produced on this land during 1932 were not up to our usual standard, but after several years fertilizing and cultivation it will doubtless be as good as any other field. The completion of filling in this gravel pit has greatly improved the appearance of the farm field adjoining Dayton Street. A glacial ridge lying along field No. 27 from Dayton Street to the old Boston & Maine railway tracks has been leveled down into the meadow, thereby rendering the swampy meadow-land, as well as the above mentioned ridge, fit for cultivation. Although this ridge is composed of little but sand, rocks and gravel, the cleaning up of the brush and the grading is a decided improvement to the appearance of the adjacent fields. An abandoned sandpit beside the old right-of-way of the Boston & Maine railway has been filled in with material from an adjoining knoll, and the whole is almost in condition for cultivation.

About 500 feet of 24" cement pipe (made in the institution) was laid in the main ditch draining our meadows and leading into the Ipswich River. By laying so

much of this pipe every year, the open ditches are being gradually eliminated, which to a certain extent hinder agricultural activities.

Much work has been done the past year around the cemetery in Middleton. In the cemetery proper all brush and roots have been cleaned up, the whole has been well graded and sowed to lawn grass. In addition to the landscape work done, the cemetery has been enclosed by a most substantial, artistic and stock-proof fence, and cement head stones, as markers have been placed at the head of each grave.

The building of the new cafeteria and kitchen made necessary a complete alteration in the grounds on the northeast side of the hospital proper. This work was done under the direct supervision of a noted landscape architect, who is likewise a well known civil engineer and ornamental horticulturist. Two hundred and eighty yards of macadam road were built, and 6,600 square yards of tar sidewalks were laid in the course of this landscaping. Much grading and filling (which is not yet completed) as well as planting of trees, vines, shrubs and perennials, was done around the new building.

The landscape work, grading and planting has been finished around the new cottage on Maple Avenue, and looks creditable to the institution.

Considerable clearing up was done on the rough land north of Middleton Colony, and this work is now being pushed to a finish.

Since last year nothing has been done on the old filter beds, the leveling of which was started a year ago, this work being reserved for a large detail of male patients who find useful occupation during the summer months on such work as digging and grading.

As much work was done on the roads and drives in 1931, little was required in 1932 to keep them up in their usual condition.

About 3,500 square yards of farm roads were resurfaced with ashes, and a like number with gravel.

RELIGIOUS SERVICES

The regular religious services have been held each Sunday throughout the year, both by the Catholic and Protestant clergymen. At the Middleton Colony religious services have been held each month. In addition, monthly services have been held for our Jewish patients by our visiting Jewish chaplain. The clergy have continued to administer the last rites to the dying and respond to sick calls faithfully.

ACKNOWLEDGEMENTS

I wish to express my sincere appreciation to the various organizations, which have so generously provided entertainment to our patients throughout the year and to our many friends, who made it possible to bring cheer and happiness to our patients during the Christmas season by their liberal contributions to the Christmas Entertainment Fund. I extend my sincere thanks.

To my associates, department heads, and all those working with them, I wish to acknowledge my indebtedness for such success as we may have had.

I am grateful for the encouragement, advice and loyal support which the Board of Trustees and Department of Mental Diseases have given me.

Respectfully submitted,

C. A. BONNER, M.D.

Superintendent.

REPORT OF TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the forty-third annual report of the Training School for Nurses.

Personnel changes are as follows:

Miss Helen B. MacDonald, Hydrotherapist, resigned. This position has been satisfactorily filled by Miss Vesta MacLellan.

Miss Violet Raiche, Head Nurse, resigned February 6, 1932.

Miss Florence Stewart, class of 1932, transferred to Medfield State Hospital as Head Nurse.

Miss Isabel Burke, class of 1932, transferred to Medfield State Hospital as Head Nurse.

Miss Helen T. Riley, class of 1931, promoted to Head Nurse July 24, 1932.

Miss Dorothy Gladys Hatch, class of 1931, promoted to Head Nurse February 7, 1932.

School Personnel, November 30, 1932: Principal of the School of Nursing, 1; Assistant Principal of the School of Nursing, 1; Chief Hospital Supervisor, 1; Assistant Supervisor, day, 1; Assistant Supervisor, night, 1; Head Nurses, graduates of Danvers State Hospital, 9; Head Nurses, graduates of other hospitals, 1; hydrotherapist, 1.

There were 236 requests for information regarding the Training School. Blanks were sent out to 236, and 69 were returned. Twenty-seven students have been accepted. Nine have withdrawn and there are 24 on the waiting list:

November 30, 1932, our students were as follows: Seniors, 17; intermediates, 18; probationers, 18.

The following nurses were at the hospital for three months' affiliation during the year:

Somerville Hospital

Evangeline Corbett	Helen Camara
Margaret Cunningham	Ruth Eveyln MacLeod
Catherine Winona Hagar	Helen Kolinska
Marjorie Ellen Bilby	Ruth Schworm
Eileen B. McNamara	Margaret McLiernan

Chelsea Memorial Hospital

Mildred Frances Butler	Mollie Zalkan
Agnes Cooper	Catherine Louise Fay
Annie Bowering	Adeline Dentone
Mary Donahue	Rebecca Hamerman

Miller's River Hospital

Melba Geneva MacDonald, Doris Grace Caonette, Stella Renes.

New England Sanitarium

Wallace Edgar Gonsalves, Max Laurie Smith, Paul Silas Furman.

Misses Ruth Stephenson and Beatrice Nash, graduates of the J. B. Thomas Hospital completed the three months' course in psychiatry in October.

Miss Mary Holly, graduate of Boston City Hospital, will complete the course December 31, 1932.

The graduate exercises were held June 29, 1932. The following nurses received diplomas:

Alice Genevieve Allen	Hazel Maria Morse
Isabel Agnes Burke	Mary Margaret Muse
Yvonne Madeline Duval	Jane Roe Nicholson
Margaret Catherine Heaps	Anne Gertrude Ryan
Gladys Lilla Johnson	Sadie Helena Salmon
Rena Eva MacEwen	

Requests from graduate nurses, for information in regard to a post-graduate course in psychiatry are increasing. Four graduate nurses have taken the affiliating course and there are four on the waiting list.

In closing I wish to thank all members of the hospital staff for their kind co-operation and help during the year.

Respectfully submitted,

OLIVE F. ESTEY, R. N.

Principal, School of Nursing.

SOCIAL SERVICE REPORT

To the Superintendent of the Danvers State Hospital:

I respectfully submit the report of the Social Service Department for the year December 1, 1931, to November 30, 1932.

During this year we handled a total of 1,184 cases. Of these, 995 were hospital patients, 123 child guidance clinic cases, and 49 were adult mental hygiene cases. Five hundred and fifty-seven histories of hospital patients were taken at the hospital from relatives when they came to visit the patients. In 314 instances

relatives did not come to the hospital so we went to visit them in order to get the desired information for our physicians. In 63 cases investigations were made regarding the patients' conduct disorder in the community prior to their admission to the hospital. In 84 cases statements made either by the patients themselves, or others required further inquiry to substantiate or deny. Fifty investigations were made of home conditions and the family's plans prior to the patient's discharge from the hospital. Some attempt at Social Service supervision was made in over a hundred cases.

Forty-nine community clinics for patients on visit were held and attended by the Social Service Department. At these clinics the psychiatrist often refers cases needing special social supervision in the community.

As in the previous years, we made arrangements with the local school nurses to take the social histories in school clinic cases rather than taking the histories ourselves.

The adult mental hygiene clinic continues at the Lynn Hospital. It has had more referrals this year than can be treated in the allotted time. There are usually eight or ten patients on the waiting list. The psychiatrist is able to examine only one new patient a week at a clinic, and he usually sees seven other patients each week. During the past year there have been 49 new patients seen at the 42 clinic meetings.

Probably because of the large percentage of psychoneurotic patients treated in the clinic, nearly one-third of the patients referred themselves. This year more hospitals (notably the various clinics at the Lynn Hospital) have become aware of our presence. The various social agencies in the city have found us useful, as evidenced by the fact that they have sent us nearly one-third of our new cases. It is regretable that only two physicians in private practice sent us cases.

From the mental hygiene point of view, it is gratifying to note that more adolescents presenting behavior and personality problems have been called to our attention.

Treatment at the clinic has consisted largely of psychotherapy by the psychiatrist. The Social Service Department gets the histories for all of these clinics and attempts to carry out what social adjustment is deemed necessary for the patient's well-being.

In February the Gloucester Child Guidance Clinic was opened at the Eastern Avenue School in Gloucester. The community, as a whole, has been slow to grasp the presence and significance of the clinic, possibly because there are almost no organized social agencies such as are usually found in a community of its size. Eleven children have been treated in the clinic. Most of these children were of average or better than average mental ability. Six of these cases were referred by the schools, one by a social agency, and the remainder by relatives and interested friends. Four of the children came from surrounding towns.

In November, the location of the clinic was changed to the Hovey School, which is nearer to the center of the city and much more accessible.

The Lynn Child Guidance Clinic has continued to meet at the Child Welfare House. This has proved to be an ideal place for the clinic, both because of the central location, and because of the excellent cooperation with the Social Workers at the Child Welfare House. Until June, 1932, the clinic met a day and a half a week, but in September, when the clinic reopened, it was limited to one day a week because of pressure of other clinics, which have started since the Lynn clinic. During the past year the clinic has handled a total of 56 cases, 46 of which were new in the clinic. We have attempted to carry on intensive work with a few cases. Four of the five intensive cases were children whose problems were personality difficulties.

Miss Agnes Reardon, the speech teacher, has continued her work with pre-school children at the clinic. She is doing intensive speech work with 12 children.

The local social agencies have referred to us the largest number of cases. Thirteen cases were referred by such agencies as the Red Cross, Society for the Prevention of Cruelty to Children, the Associated Charities and the Catholic Charities, and the Child Welfare House. The visiting teacher sent us 4 cases; school nurses, 7; and a school principal, 1. The Lynn hospital referred 3 cases, and others were introduced by a policeman, relatives, and the speech teacher.

In going over the long list of problems for which these children were sent to us, it is gratifying to note that only two were referred because of retarded mental development. Very few of the children were referred for poor school work only. In many instances the referring agency was aware of the more subtle underlying factors and was able to give us valuable aid in understanding causes.

Twenty-five new cases have been treated at the Lawrence Mental Hygiene Clinic during this year. Most of these were adolescents referred by their school teachers and principals. Until June, 1932, the clinic was held at the High School, Friday afternoons. In the fall we accepted the offer of the International Institute of the Y.W.C.A. to hold our clinic there Friday mornings in rooms more appropriate to the clinic than the large classrooms that we had in the High School building.

This clinic is not well known nor understood by the community, and is not used as much as it could be.

Forty children have been treated at the Haverhill Child Guidance Clinic during this year, 30 of these were boys. Most of the children were referred by the schools through the attendance officer. One boy was referred for advice regarding placement. Through the clinic recommendations, he has gone to the Perkins' Institute for the Blind. Four children having a special reading disability are receiving special attention from our psychologist. Two children, who were examined, were found to be low-grade enough to be placed in a school for the feeble-minded. One child is so seriously handicapped physically that he will eventually need institutional care.

Most of the children presented problems in school. Their problems, however, were due to personality difficulties rather than to low psychometric ratings.

It is gratifying that since the school has brought to the clinic so many children, it has cooperated excellently with the clinic in carrying out our recommendations.

Further contact with social agencies is what we desire next year. We hope this may be accomplished by our being able to do community work in connection with the clinic.

In April, we took over the habit clinic that the Division of Mental Hygiene had in Beverly. This clinic has been running twice a month. For the rest of the spring we saw no new children inasmuch as the psychologist had been coming to the clinic only once a month and there were many children who had not been tested by her. This fall we made the clinic a weekly one. It is held at the Health Centre, Wednesday mornings. There have been seven new cases this Fall. We are fortunate in our location as the children of Beverly have a natural contact with the Health Centre. They come there to be weighed, to attend sewing and cooking classes, and clubs. Most of the children are referred to the clinic by the Health Centre, nurses, teachers, or secretary. At present the clinic is distinctly a habit clinic with problems of eating, sleeping, and elimination. We hope to get more adolescents with problems of personality adjustment.

Respectfully submitted,

MARY H. HOLLAND,

Head Social Worker.

REPORT OF THE CHILD GUIDANCE AND SCHOOL CLINICS

To the Superintendent of the Danvers State Hospital:

I am pleased to submit the following report of the child guidance and school clinic work for the past year:

The former child guidance clinics in Haverhill, Lawrence and Lynn were all continued as the previous year, and in January, 1932, a mental hygiene clinic was started in Gloucester for children up to the adolescent period. Some excellent cases were referred, and of these there were some fairly satisfactory results obtained. Later in the spring, the Beverly Habit Clinic was assigned to our list of clinics. This one was largely a clinic dealing with young children. It is housed in the Health Centre, where excellent cooperation is enjoyed with the workers there. During the summer, the extramural clinics all closed, but Wednesday mornings were reserved for the examination of urgent cases occurring in our district. There were a number of cases seen at this time by appointment and of these, several are now being continued for treatment in the regular child guidance clinics.

The personnel of the clinics remains about the same as last year, with the exception of changing students in the Social Service Department and the assistants who change annually in the Psychology Department.

Voluntary work in the Juvenile Court at Chelsea was continued until July, when the clinics were closed for the summer. When Fall came and clinics reopened, the five weekly child guidance clinics in the above mentioned cities and the one full day each week spent examining the retarded school children made this interesting work impossible. Those cases which now require examination under Section 215 are handled in this court in the same way as in other courts of this district. In all, however, there were 30 cases examined at Chelsea District Court during the year.

The new cases coming to the child guidance clinics totalled 129, with a good many old ones continued; and there were 324 retarded children examined in the schools of ten cities and towns in this district.

The Lawrence Mental Hygiene Clinic moved to new quarters in the International House this fall. Previously, we had used rooms in the high school. The new location seems to be highly satisfactory and examining conditions are equally gratifying.

In the work of the past year we have found a number of young patients suffering with the sequelae of encephalitis lethargica. To treat these satisfactorily or to institutionalize them has proven a real obstacle as there is no provision made for them in the State except State hospitals. This is neither ideal for the patient nor for the institution, so we are starting to catalogue these cases hoping when the list becomes sufficiently large that some custodial arrangements may be found for such children.

The interest and cooperation which the clinics have found in most communities, especially the Lynn and Haverhill social agencies and school departments, has been noteworthy and we genuinely appreciate it.

In our clinics, various students (affiliate nurses and those in the training school here, clinical assistants from Tufts Medical College, and the students in the Occupational Therapy Department) attend in turn to receive an understanding of the working aspects of such clinics.

This fall, Friday afternoons have been set aside for informal conferences on the cases. This is an effort to portray the general work of the extramural activities directed toward improving the mental hygiene of the youth and children in this hospital district.

Respectfully submitted,

DORIS M. SIDWELL, M.D.

PSYCHOLOGICAL REPORT

To the Superintendent of the Danvers State Hospital:

It is my privilege to present the annual report of the Department of Psychology for the fiscal year ending November 30, 1932.

The number of patients observed this year is 1,259, an increase of 584 cases over those of the preceding year. These patients, referred to us for psychometric examination, may be classified as follows:

Newly admitted hospital patients, examined with adequate thoroughness	469
Less complete examinations (on patients interviewed in bed, or on patients whose mental condition did not permit a thorough psychometric test)	45
Children examined in the child guidance clinics	201
School clinic cases	358
Juvenile cases examined in court	156
Children brought here for special examination	30
Total	1,259

In addition to the psychometric work of the hospital and clinics, we have given a group test at Essex County Agricultural School, and have reported findings on 176 students.

The courses in psychology and psychometrics for the nurses of the hospital Training School are conducted by the junior members of the department — Misses Dorothy McLeod, Lucy Sanborn, and Alice Schoenfuss. One course for a group

of affiliate nurses was given by Mr. Carl H. Wedell, of Princeton University, who was with us during the summer of 1932.

Many of the clinic examinations require more than one interview with the patient. A new feature of our work with children is the intensive study of certain cases of special disability in learning to read, this study occasionally including a few periods of actual tutoring. During the summer vacation a Saugus child was brought regularly to the hospital for this special instruction. More recently Miss Sanborn has had repeated interviews with two children requiring individual attention, one at the Haverhill clinic and one at Gloucester.

Among the hospital patients examined, there were 62 immigrants having little or no understanding of English. Occasionally it has been possible to have the aid of an interpreter in presenting the simplest of language tests, but in most cases it has been necessary to depend upon performance tests which can be presented without use of language. Such examinations are at best somewhat unsatisfactory. Our performance tests have been standardized for American school children, who have played with toys from early infancy. It is impossible that norms thus derived should be even approximately valid for an immigrant laborer, who has never handled a pencil, who has made comparatively little use of his smaller muscles, and who is wholly unaccustomed to close eye-work. Even after having made the examination as exhaustive as our resources permit, we can offer the findings only with reservations.

Owing to the unprecedented pressure of regular routine work, nothing has been published from the department this year. We have, however, several research projects which are fairly well advanced. One of the studies in progress involves a classification of the mental symptoms presented by patients of certain types, the cases for observation being selected by large groups and not individually. For the collection of the desired data, 134 case records have been studied with utmost care. We are constantly adding to this list, as fast as we receive new patients, who belong to the groups under consideration.

The year has brought us an opportunity for obtaining new data for the standardization of the written test-battery which is used in the examination of all patients who can read fluently. Having been permitted to do some group testing in the schools of Andover, we have collected records from over 700 normal children. With the aid of this material, we are revising our norms and are enlarging the scope of the tests.

Also, the psychometric records obtained from hospital patients yield considerable data which can be used for the establishment of more adequate norms. Miss McLeod has been collecting and tabulating material taken from all the records in our files, accumulated over a period of four years, for the purpose of revising certain tests which are in constant use. Two language tests and two performance tests are being thus standardized, all four being tests which can be used for non-reading subjects. Whether this work comes to publication or not, it serves to supply us with greatly improved psychometric instruments for the study of our patients in the hospital and clinics.

Respectfully submitted,

GRACE H. KENT, Ph.D.

Psychologist.

VALUATION

November 30, 1932

REAL ESTATE

Land, 517.6 acres	\$99,112.00
Buildings	2,777,093.53

\$2,876,205.53

PERSONAL PROPERTY

Travel, transportation and office expenses	\$4,149.28
Food	13,571.48
Clothing and materials	20,525.13
Furnishings and household supplies	121,703.45
Medical and general care	11,225.77
Heat and other plant operation	12,829.55
Farm	68,570.81
Garage and grounds	6,247.65
Repairs	21,301.07

\$280,124.19

SUMMARY

Real estate	\$2,876,205.53
Personal property	280,124.19
	<hr/>
	\$3,156,329.72

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1932.

CASH ACCOUNT
Receipts

<i>Income</i>	
Board of patients	\$117,386.71
Personal Services:	
Reimbursement from Board of Retirement	231.00
Sales:	
Food	\$203.18
Clothing and materials	23.55
Furnishings and household supplies	8.77
Medical and general care	99.77
Heat and other plant operation	207.95
Farm:	
Cows and calves	131.86
Pigs and hogs	2.92
Hides	31.07
Wood	172.50
Sundries	86.25
Garage and grounds	97.70
Repairs, ordinary	316.98
	<hr/>
Total sales	\$1,382.50
Miscellaneous:	
Interest on bank balances	\$86.35
Rent	750.00
	<hr/>
	836.35
	<hr/>
Total income	\$119,836.56

MAINTENANCE

Balance from previous year, brought forward	\$17,781.09
Appropriations, current year	695,790.00
	<hr/>
Total	\$713,571.09
Expenses (as analyzed below)	679,719.65
	<hr/>
Balance reverting to Treasury of Commonwealth	\$33,851.44

Analysis of Expenses

Personal services	\$355,343.61
Religious instruction	2,060.65
Travel, transportation and office expenses	7,554.26
Food	94,400.98
Clothing and materials	22,756.60
Furnishings and household supplies	32,523.30
Medical and general care	13,457.25
Heat, and other plant operations	90,845.61
Farm	25,367.43
Garage and grounds	7,001.53
Repairs ordinary	19,493.72
Repairs and renewals	8,914.71
	<hr/>
Total expenses for Maintenance	\$678,719.65

SPECIAL APPROPRIATIONS

Balance December 1, 1931	\$58,129.02
Appropriations for current year	15,000.00
	<hr/>
Total	\$73,129.02
Expended during the year (see statement below)	\$63,967.02
Reverting to Treasury of Commonwealth	56.25
	<hr/>
	64,023.27
	<hr/>
Balance November 30, 1932, carried to next year	9,105.75

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Officer's Cottage	115-1930 14-1931	\$9,000 00	\$1,581.35	\$8,943.75	\$56.25
Renovation of rear center: Construction	115-1930 245-1931	300,000.00	33,922.72	299,375.47	624 53
Furnishings of Kitchen and Cafeteria Equipment	245-1931 170-1932	37,000.00	27,906.51	28,616.88	8,383.12
Purchase of X-ray equipment .	245-1931	4,000.00	556.44	3,929.11	70.89
Purchase of Land	460-1931	150.00	-	122.79	27.21
		\$350,150.00	\$63,967.02	\$340,988.00	\$9,162.00

Balance reverting to Treasury of the Commonwealth during year (mark item with *) .	\$62.00
Balance carried to next year	\$9,100.00
Total as above	\$9,162.00

PER CAPITA

During the year the average number of inmates has been 2,075.

Total cost of maintenance, \$679,719. 65.

Equal to a weekly per capita cost of \$6.30.

Receipt from sales, \$1,382.50.

Equal to a weekly per capita of \$0.01.

All other institution receipts, \$118,454.06.

Equal to a weekly per capita of \$1.10.

Net weekly per capita \$5.19.

Respectfully submitted,

GLADYS E. LEACH,

Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYOHIATRIC ASSOCIATION PRESCRIBED
BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Information

Data correct at end of hospital year November 30, 1932

1. Date of opening as a hospital for mental diseases, May 13, 1878.
2. Type of hospital: State.
3. Hospital plant:

Value of hospital property:

Real estate, including buildings \$2,876,205.53

Personal property 280,124.19

Total. \$3,156,329.72

Total acreage of hospital property owned, 517.6.

Additional acreage rented, 150.68.

Total acreage under cultivation during previous year, 347.
4. Officers and employees

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	-	1	-	-	-
Assistant physicians	7	2	9	1	-	1
Clinical assistants	2	-	2	-	-	-
Total physicians	10	2	12	1	-	1
Stewards	1	-	1	-	-	-
Resident dentists	1	-	1	-	-	-
Pharmacists	1	-	1	-	-	-
Graduate nurses	-	20	20	-	-	-
Other nurses and attendants	86	110	196	-	-	-
Occupational therapists	-	5	5	-	-	-
Social workers	-	4	4	-	-	-
All other officers and employees . . .	82	57	139	3	3	6
Total officers and employees	171	196	367	3	3	6

NOTE: — The following items, 5–10 inclusive, are for the year ended September 30, 1932.

5. Census of patient population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
WHITE						
Insane	958	1,090	2,048	119	144	263
Mental defectives	—	1	1	—	2	2
Alcoholics	3	—	3	—	—	—
All other cases	3	1	4	1	1	2
Total	964	1,092	2,056	120	147	267
OTHER RACES:						
Insane	10	9	19	—	1	1
Total	10	9	19	—	1	1
Grand Total	974	1,101	2,075	120	148	268
	M.	F.	T.	M.	F.	T.
6. Patients under treatment in occupational-therapy classes, including physical training, on date of report				96	103	199
7. Other patients employed in general work of hospital on date of report				581	400	981
8. Average daily number of all patients actually in hospital during year				983	1,088	2,071
9. Voluntary patients admitted during year				—	—	—
10. Persons given advice or treatment in out-patient clinics during year				158	145	303

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table.

NOTE: — The following tables 3–19, inclusive, are for the statistical year ended September 30, 1932.

TABLE 3. *Movement of Patient Population*

	REGULAR COURT COMMITMENT (INSANE)			TEMPORARY CARE			OBSERVATION			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1931	1,077	1,223	2,300	1	-	1	13	8	21	1,091	1,231	2,322
Admissions during year:												
First admissions	249	238	487	72	28	100	42	25	67	363	291	654
Readmissions	58	41	99	17	8	25	14	14	28	89	63	152
Transfers from other hospitals for mental diseases	17	15	32	-	-	-	-	-	-	17	15	32
Total received during year	324	294	618	89	36	125	56	39	95	469	369	838
Total on books during year	1,401	1,517	2,918	90	36	126	69	47	116	1,560	1,600	3,160
Discharged from books during year:												
As recovered	1	-	1	24	2	26	11	10	21	36	12	48
As improved	99	109	208	12	11	23	7	12	19	118	132	250
As unimproved	5	5	10	9	8	17	-	2	2	14	15	29
As without psychosis	2	-	2	35	8	43	29	16	45	66	24	90
Transferred to other hospitals for mental diseases	75	24	99	-	-	-	-	-	-	75	24	99
Died during year	143	135	278	9	7	16	5	2	7	157	144	301
Total discharged, transferred and died during year	325	273	598	89	36	125	52	42	94	466	351	817
Insane patients remaining on books of hospital at end of hospital year												
In hospital	958	1,096	2,054	1	-	1	15	5	20	974	1,101	2,075
On parole or otherwise absent	119	148	267	-	-	-	1	-	1	120	148	268
Total	1,077	1,244	2,321	1	-	1	16	5	21	1,094	1,249	2,343

NOTE:— The total males in the Insane and Observation groups will not balance through to September 30, 1932, owing to the fact that one male Observation had a change of legal status during the year to Regular Court Commitment, thus making the males on Observation status one less and the males on Regular Court status one more than would be expected.

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States	151	143	294	80	81	71	73	70	65
Africa	—	—	—	—	—	—	—	1	—
Austria	—	—	—	—	—	—	1	1	1
Belgium	1	—	1	1	1	1	—	—	—
Canada ¹	22	31	53	38	40	32	43	41	35
England	10	8	18	11	10	9	17	12	11
Finland	—	—	—	—	—	—	1	1	1
France	—	—	—	—	1	—	—	—	—
Germany	4	3	7	5	5	5	4	4	4
Greece	5	1	6	6	6	6	2	1	1
Holland	—	—	—	—	—	—	1	—	—
Hungary	—	1	1	—	—	—	1	1	1
Ireland	17	19	36	45	43	39	37	45	35
Italy	9	12	21	13	12	12	18	19	18
Jugo-Slavia	—	—	—	—	—	—	1	1	1
Poland	3	4	7	5	4	4	6	5	5
Portugal	1	1	2	2	2	2	2	2	2
Russia	11	8	19	12	11	11	13	13	13
Scotland	3	3	6	4	5	3	3	5	2
Sweden	6	3	9	8	7	7	3	4	3
Turkey in Asia	1	—	1	1	1	1	—	—	—
Other countries	5	1	6	6	6	6	1	2	1
Unascertained	—	—	—	12	14	12	11	10	9
Total	249	238	487	249	249	221	238	238	208

¹Includes Newfoundland

TABLE 5. *Citizenship of First Admissions*

	M.	F.	T.
Citizens by birth	151	143	294
Citizens by naturalization	45	41	86
Aliens	33	29	62
Citizenship unascertained	20	25	45
Total	249	238	487

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses				2	—	2
2. Senile psychoses				10	20	30
3. Psychoses with cerebral arteriosclerosis				67	49	116
4. General paralysis				19	7	26
5. Psychoses with cerebral syphilis				1	1	2
6. Psychoses with Huntington's chorea				—	—	—
7. Psychoses with brain tumor				1	—	1
8. Psychoses with other brain or nervous diseases, total				3	4	7
Tabes dorsalis	—	1	1			
Other diseases	3	3	6			
9. Alcoholic psychoses, total				22	5	27
Delirium tremens	6	—	6			
Korsakow's psychosis	3	1	4			
Acute hallucinosis	2	2	4			
Other types, acute or chronic	11	2	13			
10. Psychoses due to drugs and other exogenous toxins, total				—	2	2
Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined	—	1	1			
Other exogenous toxins	—	1	1			
11. Psychoses with pellagra				—	—	—
12. Psychoses with other somatic diseases, total				8	9	17
Exhaustion delirium	1	1	2			
Cardio-renal diseases	3	1	4			
Other diseases or conditions	4	7	11			
13. Manic-depressive psychoses, total				17	12	29
Manic type	3	2	5			
Depressive type	14	9	23			
Other types	—	1	1			
14. Involution melancholia				1	8	9
15. Dementia praecox (schizophrenia)				79	86	165
16. Paranoia and paranoid conditions				—	1	1
17. Epileptic psychoses				4	9	13
18. Psychoneuroses and neuroses, total				5	4	9
Hysterical type	1	1	2			
Psychasthenic type (anxiety and obsessive forms)	3	—	3			
Neurasthenic type	1	3	4			
19. Psychoses with psychopathic personality				—	—	—
20. Psychoses with mental deficiency				9	18	27
21. Undiagnosed psychoses				1	2	3
22. Without psychosis, total				—	1	1
Mental deficiency without psychosis	—	1	1			
Total				249	238	487

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Traumatic			Senile			With cerebral arterio-sclerosis			General paralysis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	3	2	5	—	—	—	—	1	1	3	1	4	—	—	—
Armenian	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
Dutch and Flemish	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
English	59	63	122	1	—	1	9	9	18	23	10	33	6	1	7
Finnish	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
French	24	16	40	—	—	—	—	1	1	1	3	4	2	—	2
German	6	4	10	—	—	—	—	—	—	1	3	4	1	—	1
Greek	6	2	8	—	—	—	—	—	—	—	—	—	2	—	2
Hebrew	6	13	19	—	—	—	—	1	1	—	1	1	—	—	—
Irish	61	51	112	—	—	—	1	6	7	19	18	37	1	1	2
Italian ¹	12	19	31	—	—	—	—	—	—	2	—	2	1	3	4
Lithuanian	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	2	2	4	—	—	—	—	—	—	1	—	1	—	1	1
Scandinavian ²	7	4	11	—	—	—	—	—	—	2	1	3	2	—	2
Scotch	6	8	14	—	—	—	—	—	—	4	3	7	—	—	—
Slavonic ³	9	7	16	—	—	—	—	—	—	—	—	—	1	—	1
Syrian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Turkish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	38	41	79	1	—	1	—	2	2	10	8	18	2	1	3
Race unascertained	3	3	6	—	—	—	—	—	—	—	1	1	—	—	—
Total	249	238	487	2	—	2	10	20	30	67	49	116	19	7	26

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With cerebral syphilis			With brain tumor			With other brain or nervous diseases			Alcoholic			Due to drugs and other exogenous toxins		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	1	—	1	—	1	1	2	1	3	—	1	1
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	—	—	—	—	—	—	1	—	1	2	—	2	—	—	—
German	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	1	—	1	—	—	—	1	—	1	5	2	7	—	1	1
Italian ¹	—	—	—	—	—	—	1	1	2	1	—	1	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—
Magyar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	—	—	—	—	—	—	—	—	—	5	1	6	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	1	1	—	—	—	—	2	2	2	1	3	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Total	1	1	2	1	—	1	3	4	7	22	5	27	—	2	2

¹Includes "North" and "South".²Norwegians, Danes, and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With other somatic diseases			Manic-depressive			Involution melancholia			Dementia praecox			Paranoia and paranoid conditions		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	3	4	7	2	2	4	—	5	5	5	16	21	—	—	—
Finnish	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
French	1	1	2	1	2	3	—	—	—	14	9	23	—	—	—
German	—	—	—	2	—	2	—	—	—	—	1	1	—	—	—
Greek	—	1	1	—	—	—	—	—	—	3	1	4	—	—	—
Hebrew	—	—	—	1	1	2	—	—	—	5	7	12	—	—	—
Irish	2	—	2	5	4	9	1	2	3	22	11	33	—	1	1
Italian ¹	1	1	2	1	1	2	—	—	—	4	8	12	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Magyar	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	3	2	5	—	—	—
Scotch	—	—	—	1	1	2	—	—	—	1	3	4	—	—	—
Slavonic ³	—	1	1	—	—	—	—	—	—	3	4	7	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Turkish	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	1	2	3	1	4	—	1	1	16	18	34	—	—	—
Race unascertained	—	—	—	1	—	1	—	—	—	1	2	3	—	—	—
Total	8	9	17	17	12	29	1	8	9	79	86	165	—	1	1

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Epileptic psychoses			Psycho-neuroses and neuroses			With mental deficiency			Undiagnosed psychoses			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	2	5	7	1	1	2	3	6	9	1	1	2	—	—	—
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	3	3	—	—	—	—	—	—
Irish	—	1	1	1	1	2	2	2	4	—	1	1	—	—	—
Italian ¹	—	1	1	—	1	1	1	2	3	—	—	—	—	1	1
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Slavonic ³	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	2	2	3	—	3	—	3	3	—	—	—	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4	9	13	5	4	9	9	18	27	1	2	3	—	1	1

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	—	—	—	—	—	—
2. Senile	10	20	30	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	67	49	116	—	—	—	—	—	—	—	—	—
4. General paralysis	19	7	26	—	—	—	—	1	1	—	—	—
5. With cerebral syphilis	1	1	2	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	4	7	—	—	—	1	1	2	1	1	2
9. Alcoholic	22	5	27	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	2	2	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	8	9	17	—	—	—	—	—	—	1	—	1
13. Manic-depressive	17	12	29	—	—	—	—	1	1	—	—	—
14. Involution melancholia	1	8	9	—	—	—	—	—	—	—	—	—
15. Dementia praecox	79	86	165	—	—	—	6	6	12	10	10	20
16. Paranoia and paranoid conditions	—	1	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	4	9	13	—	1	1	—	2	2	1	1	2
18. Psychoneuroses and neuroses	5	4	9	—	—	—	—	—	—	1	1	2
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	9	18	27	1	1	2	1	4	5	1	3	4
21. Undiagnosed psychoses	1	2	3	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	1	1	—	1	1	—	—	—	—	—	—
Total	249	238	487	1	3	4	8	15	23	15	16	31

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	25-29 years			30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	1	—	1	1	—	1	4	—	4	4	1	5	1	1	2
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
9. Alcoholic	—	1	1	1	—	1	5	—	5	3	1	4	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	2	2	1	—	1	1	—	1	—	1	1	—	—	—
13. Manic-depressive	—	1	1	1	3	4	1	—	1	—	2	2	1	—	1
14. Involution melancholia	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
15. Dementia praecox	12	11	23	9	11	20	8	16	24	10	11	21	14	12	26
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
17. Epileptic psychoses	—	2	2	—	—	—	1	—	1	1	1	2	—	—	—
18. Psychoneuroses and neuroses	1	1	2	1	—	1	—	—	—	—	—	—	2	1	3
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	—	1	1	1	2	—	2	2	1	2	3	1	3	4
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	15	18	33	16	15	31	20	19	39	20	21	41	20	19	39

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—	1	1	2	1	6	7	8	13	21
3. With cerebral arteriosclerosis	1	2	3	7	7	14	9	13	22	21	6	27	29	21	50
4. General paralysis	2	3	5	4	—	4	1	1	2	—	—	—	1	—	1
5. With cerebral syphilis	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1
9. Alcoholic	4	2	6	4	1	5	3	—	3	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	2	3	1	2	3	1	—	1	1	2	3	1	—	1
13. Manic-depressive	3	1	4	6	1	7	4	1	5	—	1	1	1	1	2
14. Involution melancholia	—	4	4	—	3	3	1	—	1	—	—	—	—	—	—
15. Dementia praecox	8	1	9	1	5	6	—	1	1	1	2	3	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	2	2	—	—	—	—	—	—	—	—	—	1	—	1
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	1	1	2	—	1	1	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	23	19	42	24	20	44	21	19	40	25	18	43	41	36	77

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

Psychoses	Total			Illiterate		Reads and writes ¹		Common School		High School		College		Unascertained	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	—	2	—	—	—	—	—	—	—
2. Senile	10	20	30	—	3	3	—	6	13	—	—	—	—	2	—
3. With cerebral arteriosclerosis	67	49	116	2	3	5	1	47	28	1	2	3	—	10	4
4. General paralysis	19	7	26	1	2	3	1	10	1	1	8	9	1	4	16
5. With cerebral syphilis	1	1	2	—	—	—	—	—	—	—	—	—	—	1	5
6. With Huntington's chorea	1	—	—	—	—	—	—	—	—	—	—	—	—	1	2
7. With brain tumor	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	4	7	—	2	2	—	2	1	—	—	—	—	—	—
9. Alcoholic	22	5	27	3	—	3	2	15	4	1	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	2	2	—	—	—	—	1	1	—	—	—	—	2	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	8	9	17	—	1	1	—	4	5	—	—	—	—	—	—
13. Manic-depressive	17	12	29	1	—	1	2	12	5	—	2	2	—	1	1
14. Involution melancholia	1	8	9	—	1	1	—	1	4	—	1	1	—	1	2
15. Dementia praecox	79	86	165	4	4	8	3	41	42	21	2	2	—	6	7
16. Paranoia and paranoid conditions	—	1	1	—	—	—	—	—	83	25	46	7	—	—	13
17. Epileptic psychoses	4	9	13	—	—	—	—	—	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses	5	4	9	—	—	—	—	2	7	2	1	3	—	1	—
19. With psychopathic personality	—	—	—	—	—	—	—	2	4	6	2	—	—	1	—
20. With mental deficiency	9	18	27	2	9	11	1	4	3	—	—	—	—	2	4
21. Undiagnosed psychoses	—	2	3	—	—	—	—	1	2	3	—	—	—	—	—
22. Without psychosis	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Total.	249	238	487	13	26	39	17	149	121	33	46	79	8	29	51

¹Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	1	—	1	1	—	1	—	—	—
2. Senile	10	20	30	10	17	27	—	3	3	—	—	—
3. With cerebral arteriosclerosis	67	49	116	64	47	111	3	2	5	—	—	—
4. General paralysis	19	7	26	19	7	26	—	—	—	—	—	—
5. With cerebral syphilis	1	1	2	1	1	2	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	1	—	1	—	—	—	—	—	—
8. With other brain or nervous diseases	3	4	7	3	4	7	—	—	—	—	—	—
9. Alcoholic	22	5	27	22	5	27	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	2	2	—	2	2	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	8	9	17	8	7	15	—	2	2	—	—	—
13. Manic-depressive	17	12	29	16	11	27	1	1	2	—	—	—
14. Involution melancholia	1	8	9	1	7	8	—	1	1	—	—	—
15. Dementia praecox	79	86	165	76	85	161	2	1	3	1	—	1
16. Paranoia and paranoid conditions	—	1	1	—	1	1	—	—	—	—	—	—
17. Epileptic psychoses	4	9	13	4	9	13	—	—	—	—	—	—
18. Psychoneuroses and neuroses	5	4	9	5	4	9	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	9	18	27	9	17	26	—	1	1	—	—	—
21. Undiagnosed psychoses	1	2	3	1	2	3	—	—	—	—	—	—
22. Without psychosis	—	1	1	—	1	1	—	—	—	—	—	—
Total	249	238	487	241	227	468	7	11	18	1	—	1

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable			Unascertained		
	M.	F.	T.	M.	V.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
2. Senile	10	20	30	5	8	13	4	12	16	1	—	1	—	—	—
3. With cerebral arteriosclerosis	67	49	116	20	17	37	45	31	76	2	1	3	—	—	—
4. General paralysis	19	7	26	1	2	3	18	5	23	—	—	—	—	—	—
5. With cerebral syphilis	1	1	2	—	—	—	1	1	2	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
8. With other brain or nervous diseases	3	4	7	1	2	3	2	2	4	—	—	—	—	—	—
9. Alcoholic	22	5	27	3	1	4	19	4	23	—	—	—	—	—	—
10. Due to drug and other exogenous toxins	—	2	2	—	1	1	—	1	1	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	8	9	17	2	1	3	5	8	13	1	—	1	—	—	—
13. Manic-depressive	17	12	29	2	3	5	15	9	24	—	—	—	—	—	—
14. Involution melancholia	1	8	9	—	—	—	1	7	8	—	1	1	—	—	—
15. Dementia praecox	79	86	165	23	18	41	56	67	123	—	—	—	—	1	1
16. Paranoia and paranoid conditions	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
17. Epileptic psychoses	4	9	13	2	7	9	2	2	4	—	—	—	—	—	—
18. Psychoneuroses and neuroses	5	4	9	3	1	4	2	3	5	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	9	18	27	8	13	21	1	5	6	—	—	—	—	—	—
21. Undiagnosed psychoses	1	2	3	—	1	1	1	1	2	—	—	—	—	—	—
22. Without psychosis	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Total	249	238	487	70	76	146	175	159	334	4	2	6	—	1	1

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	1	—	1	—	—	—	1	—	1	—	—	—
2. Senile	10	20	30	6	16	22	2	4	6	2	—	2	—	—	—
3. With cerebral arterio-sclerosis	67	49	116	37	46	83	11	2	13	18	1	19	1	—	1
4. General paralysis	19	7	26	7	2	9	7	2	9	5	2	7	—	1	1
5. With cerebral syphilis	1	1	2	—	1	1	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	4	7	3	4	7	—	—	—	—	—	—	—	—	—
9. Alcoholic	22	5	27	—	—	—	—	—	—	22	5	27	—	—	—
10. Due to drugs and other exogenous toxins	—	2	2	—	1	1	—	1	1	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	8	9	17	3	7	10	4	2	6	1	—	1	—	—	—
13. Manic-depressive	17	12	29	12	11	23	2	1	3	3	—	3	—	—	—
14. Involution melancholia	1	8	9	1	7	8	—	—	—	—	—	—	—	1	1
15. Dementia praecox	79	86	165	49	82	131	15	3	18	14	—	14	1	1	2
16. Paranoia and paranoid conditions	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	4	9	13	4	8	12	—	—	—	—	—	—	—	1	1
18. Psychoneuroses and neuroses	5	4	9	2	4	6	2	—	2	1	—	1	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	9	18	27	5	16	21	1	2	3	1	—	1	2	—	2
21. Undiagnosed psychoses	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Total.	249	238	487	132	209	341	45	17	62	68	8	76	4	4	8

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Single			Married			Widowed			Separated			Divorced		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	1	—	1	1	—	1	—	—	—	—	—	—
2. Senile	10	20	30	1	4	5	4	2	6	4	14	18	—	—	—	1	—	—
3. With cerebral arteriosclerosis	67	49	116	12	10	22	37	13	50	18	24	42	—	—	—	1	—	1
4. General paralysis	19	7	26	8	1	9	10	3	13	—	3	3	—	1	1	1	—	—
5. With cerebral syphilis	1	1	2	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	4	7	2	3	5	1	—	1	—	1	1	—	—	—	—	—	—
9. Alcoholic	22	5	27	4	—	4	15	3	18	2	2	4	—	—	—	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellaagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	8	9	17	1	1	2	7	8	15	—	—	—	—	—	—	—	—	—
13. Manic-depressive	17	12	29	2	3	5	12	5	17	1	3	4	—	—	—	1	1	2
14. Involution melancholia	1	8	9	—	2	2	—	5	5	1	1	2	—	—	—	—	—	—
15. Dementia praecox	79	86	165	51	36	87	22	41	63	4	6	10	1	1	2	1	2	3
16. Paranoia and paranoid conditions	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	4	9	13	3	7	10	—	1	1	1	1	2	—	—	—	—	—	—
18. Psychoneuroses and neuroses	5	4	—	2	—	2	3	2	5	—	1	1	—	—	—	—	1	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	9	18	27	9	12	21	—	5	5	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	—	2	3	—	1	1	1	1	2	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Total	249	238	487	95	81	176	114	92	206	32	58	90	3	2	5	5	5	10

TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males	Females	Total
1. Traumatic psychoses	—	—	—
2. Senile psychoses	—	2	2
3. Psychoses with cerebral arteriosclerosis	6	5	11
4. General paralysis	2	1	3
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	1	—	1
9. Alcoholic psychoses	5	1	6
10. Psychoses due to drugs and other exogenous toxins	1	1	2
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	—	—	—
13. Manic-depressive psychoses	12	8	20
14. Involution melancholia	—	2	2
15. Dementia praecox	27	13	40
16. Paranoia and paranoid conditions	1	2	3
17. Epileptic psychoses	—	—	—
18. Psychoneuroses and neuroses	—	1	1
19. Psychoses with psychopathic personality	—	1	1
20. Psychoses with mental deficiency	3	4	7
21. Undiagnosed psychoses	—	—	—
22. Without psychosis	—	—	—
Total	58	41	99

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	1	5	6	—	—	—	1	5	6	—	—	—
3. With cerebral arteriosclerosis	7	11	18	—	—	—	7	10	17	—	1	1
4. General paralysis	9	2	11	—	—	—	9	2	11	—	—	—
5. With cerebral syphilis	2	—	2	—	—	—	2	—	2	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	1	1	—	—	—
8. With other brain or nervous diseases	4	—	4	—	—	—	3	—	3	1	—	1
9. Alcoholic	13	—	13	1	—	1	11	—	11	1	—	1
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	1	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	5	6	—	—	—	—	5	5	1	—	1
13. Manic-depressive	23	29	52	—	—	—	22	29	51	1	—	1
14. Involution melancholia	—	2	2	—	—	—	—	2	2	—	—	—
15. Dementia praecox	35	38	73	—	—	—	34	35	69	1	3	4
16. Paranoia and paranoid conditions	4	4	8	—	—	—	4	3	7	—	1	1
17. Epileptic psychoses	1	—	1	—	—	—	1	—	1	—	—	—
18. Psychoneuroses and neuroses	—	4	4	—	—	—	—	4	4	—	—	—
19. With psychopathic personality	2	2	4	—	—	—	2	2	4	—	—	—
20. With mental deficiency	2	10	12	—	—	—	2	10	12	—	—	—
21. Undiagnosed psychoses	1	—	1	—	—	—	1	—	1	—	—	—
22. Without psychosis	2	—	2	—	—	—	—	—	—	—	—	—
Total	107	114	221	1	—	1	99	109	208	5	5	10

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded

CAUSES OF DEATH	Dementia praecox			Paranoia and paranoid conditions			Epileptic psychoses			Psycho- neuroses and neuroses			With mental deficiency			*All others psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>																		
Tuberculosis of the respiratory system	2	4	6	-	-	-	1	-	1	-	-	-	-	-	-	1	3	4
Syphilis (non-nervous forms)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3
<i>General Diseases not Included in Class I</i>																		
Cancer and other malignant tumors.	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Other general diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System</i>																		
Cerebral hemorrhage, apoplexy	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General paralysis of the insane	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Epilepsy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
<i>Diseases of the Circulatory System</i>																		
Endocarditis and myocarditis	4	10	14	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
Other diseases of the heart.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerosis	2	-	2	1	-	1	1	-	1	-	1	-	1	-	1	3	-	3
<i>Diseases of the Respiratory System</i>																		
Bronchopneumonia	1	3	4	-	-	-	-	-	1	1	-	-	-	-	-	-	1	1
Lobar pneumonia	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Pleurisy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the respiratory system (tuberculosis excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System</i>																		
Ulcer of stomach and duodenum	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of stomach (cancer excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Diarrhea and enteritis.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hernia and intestinal obstruction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Annexa</i>																		
Nephritis	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	2	2
Other diseases of skin and annexa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and of the Cellular Tissue</i>																		
Other diseases of skin and annexa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes</i>																		
Suicide	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental traumatism	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Other external causes	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	14	27	41	1	-	1	3	1	4	1	-	1	4	1	5	10	10	20

*Includes group 22, "without psychosis."

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

Psychoses	Total			15-19 years		20-24 years		25-29 years		30-34 years		35-39 years			
	Total			M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	7	21	28	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	68	47	115	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	19	8	27	—	—	—	—	—	1	1	—	1	1	—	1
5. With cerebral syphilis	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	5	6	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	8	1	9	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	5	7	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	7	13	20	—	—	—	—	—	—	—	—	—	—	—	—
14. Involution melancholia	1	6	7	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox	14	27	41	—	2	2	3	2	5	2	2	4	3	3	—
16. Paranoia and paranoid conditions	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	4	1	5	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	143	135	278	—	3	3	4	2	6	4	2	6	3	6	9
													2	1	3

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES	40-44 years		45-49 years		50-54 years		55-59 years		60-64 years		65-69 years		70 years and over	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	-	-	-	-	-	-	-	-	1	1	1	1	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	7	18
4. General paralysis	-	-	-	-	1	2	3	3	10	11	16	4	38	27
5. With cerebral syphilis	2	1	1	-	4	2	6	5	4	1	-	-	2	2
6. With Huntington's chorea	-	-	-	-	2	-	-	1	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	1	1	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	1	-	-	-	-	1	3	-	1	1	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	1
11. With pellagra	1	1	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	1	-	-	-	-	-	-	-	-	-	-	1	2
13. Manic-depressive	-	-	1	-	3	2	5	-	-	-	-	-	1	1
14. Involution melancholia	-	-	1	2	3	3	1	1	-	3	2	2	1	5
15. Dementia praecox	2	3	2	2	-	1	3	4	1	-	1	3	-	5
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	1	-	-	-	1	1
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	1	-	-	-	-	-	-	1	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	6	6	4	10	11	21	14	21	15	21	16	52	110

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

PSYCHOSES	Total			Less than 1 month			1-3 months			4-7 months			8-12 months			1-2 years			3-4 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	7	21	28	2	5	7	1	7	8	—	2	1	1	3	4	—	1	3	4	—	—
3. With cerebral arteriosclerosis	68	47	115	14	11	25	20	12	32	—	6	2	2	8	—	—	11	5	16	4	3
4. General paralysis	19	8	27	4	—	4	1	3	4	—	3	1	4	—	—	—	5	1	6	7	—
5. With cerebral syphilis	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	5	6	2	2	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	8	1	9	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	5	7	1	1	2	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	7	13	20	2	2	2	—	—	—	—	1	1	2	1	—	—	—	—	—	—	—
14. Involution melancholia	1	6	7	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox	14	27	41	3	5	8	1	2	3	—	1	1	2	—	—	—	3	1	4	2	3
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	1	4	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	4	1	5	—	—	—	2	—	2	—	—	—	—	—	—	—	1	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	143	135	278	32	26	58	26	25	51	12	16	28	25	14	39	10	5	15	13	8	21

TABLE 19. *Family Care Department*

	Male	Female	Total
Remaining in Family Care October 1, 1931	—	13	13
On Visit from Family Care October 1, 1931	—	—	—
Admitted during year	—	1	1
Whole number of cases within year	—	14	14
Dismissed within the year	—	—	—
Returned to institution	—	5	5
Discharged	—	—	—
Died	—	—	—
On Visit	—	—	—
Remaining in Family Care September 30, 1932	—	9	9
Supported by State	—	9	9
Private	—	—	—
Number of different persons within the year	—	14	14
Number of different persons dismissed	—	5	5
Number of different persons admitted	—	1	1
Average Daily Number in Family Care during the year	—	10.96	10.96
Supported by State	—	10.96	10.96
Private	—	—	—
Self-supporting	—	—	—

The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30,

1933

DEPARTMENT OF MENTAL DISEASES



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TRUSTEES' REPORT

To His Excellency, the Governor and the Honorable Council:

The Trustees of the Danvers State Hospital respectfully offer the following annual report, including the report received by us from the Superintendent and the reports received by him from the various departments:

The Board has continued to hold monthly meetings at the hospital, for conference with the Superintendent, concerning the development of the institution and the upkeep of the plant.

In the report of last year reference was made to the new dining room building. We are pleased to state that this building was completed and put into operation April 19, 1933. It is a fine building with a modern kitchen and a dining room for patients and one for employees providing excellent cafeteria food service.

The annual report offers an opportunity to study the functions of the various departments and one is impressed with these efforts, all of which are directed to the care and comfort of the mentally sick patient. The care begins with the admission of the patient. The departmental reports indicate the various forms of treatment that are given, ending with the discharge of the patient and the continued oversight maintained by our social service department and clinical facilities

for advice to the patient, who has been enabled to return to the community. To those of us who have been on the Board for a number of years it is pleasing to note the improved conditions within the hospital for the mentally sick and the further arrangements to help and guide the patient after he has been restored to mental health in making a readjustment in the community.

The upkeep of the buildings has been diligently preserved and many repair changes have been made.

The sinking of wells near the Power House should mean a direct economy in water costs. The farm, as usual, has provided fresh vegetables and milk for the patients, and also has served as an opportunity for the therapeutic application of work.

During the last year there have been but few changes in employment. Most of our employees have been grateful to have the opportunity of working and have retained their positions so that there are only a few changes to report.

The number of admissions during the year were 481 males and 392 females, making a total of 873. This is an increase of 35 over the preceding year. The hospital has continued its efforts in the prevention of mental illness in the community by adding to its mental hygiene clinics for advice and guidance to both children and adults.

We believe that the chapel should be enlarged to accommodate 800 patients, whereas at the present time only 300 can be seated in this building. In order to enlarge this building it will be necessary to do away with approximately 17 rooms, which now house about 35 employees. This would call for the construction of the new building for married couples and one which is very much needed by the institution.

We would recommend enlarging both the male and female hydrotherapy buildings. An additional floor erected would give us opportunity to treat a larger number of patients more efficiently, and we strongly recommend fire-proofing plans in the main building. This would include fire-proof flooring and fire-proof staircases; also to rewire basements and attics throughout the older buildings of the institution. This type of wiring is the so-called open type and we feel that it should be in conduit.

A new and modern laundry building is greatly needed in order to care for the needs of the institution in this respect.

A fire alarm system would be of great advantage, and also the replacement of certain sprinkler heads with more modern types is very desirable.

We believe that the institution has been conducted with care and economy throughout the past year.

Respectfully submitted,

S. HERBERT WILKINS, *Chairman.*

JAMES F. INGRAHAM

DR. ARTHUR C. NASON

WILLIAM W. LAWS

MRS. ANNA P. MARSH

MRS. ANNIE T. FLAGG

ALBION L. DANFORTH

Trustees.

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-sixth annual report of the Superintendent for the fiscal year ending November 30, 1933, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1933.

MOVEMENT OF POPULATION

The hospital year opened on October 1, 1932 with 2,075 patients in the hospital, 252 on visit, 7 on escape, and 9 in family care, making a total of 2,343.

The year ended on September 30, 1933 with 2,134 patients in the hospital, 355 on visit, 5 on escape, and 8 in family care, making a total of 2,502.

The number of admissions during the year: 481 male; 392 female; total 873, an increase of 35 over the preceding year.

There were 4 voluntary patients admitted during the past year; 19 patients were transferred from other institutions; 284 men and 208 women were admitted on

temporary care papers and 79 men and 50 women were admitted on thirty-five day observation papers.

FIRST ADMISSIONS

There were 676 patients admitted to this or any hospital for the first time, which is an increase of 22 over the preceding year.

DAILY POPULATION

The total average population for the year ending September 30, 1933, was 2,104, an increase of 33 over last year. There were 3,216 patients treated during the year as compared with 3,160 in 1932.

There were 259 patients who died in the institution during the year, which is 42 less than the preceding year.

DISMISSALS

Four hundred fifty-five patients were discharged from the institution during the past year; 276 men and 179 women. Classified as to their condition on discharge; 31 as recovered; 255 as improved; 38 as unimproved; and 110 as without psychosis. The figures for the preceding year were as follows: 48 as recovered; 250 as improved; 29 as unimproved; and 90 as without psychosis.

On September 30, 1933 there were 368 patients on trial visit in care of friends or under hospital supervision as compared with 268 in 1932.

Since the organization of the hospital, 32,153 patients have been admitted and 29,651 discharged.

MEDICAL ADMINISTRATION

The following changes in personnel of the Staff occurred during the year:

Appointments: — Dr. Guy C. Randall, appointed assistant physician April 1, 1933.

Resignations: — Dr. Carol Schwartz, resigned February 6, 1933. Dr. Charles H. Endee, dentist, resigned November 4, 1933.

Clinical Assistants: — Benjamin Singerman, Flora Marie Remillard, Edward E. Shibel, H. Parker Wetherbee, Julius W. Cohen, James Raymond Hurley.

MEDICAL SERVICE

As in former years, the medical service has continued to function very efficiently in lieu of the vacancies that have been carried in the medical staff throughout the year. The usual daily ward rounds as well as the weekly night trips have been continued so that all patients have been seen at frequent intervals. Staff conferences have been held daily for the purpose of discussing the diagnosis, treatment, and visit or discharge of patients. We have again been disturbed some by a few sporadic cases of basillary dysentery (His-Y type) but fortunately through careful, early segregation an epidemic was prevented.

During part of July and August the Superintendent spent some time abroad where he was able to visit several clinics in Europe. In September and October, Dr. H. Archer Berman was granted a leave of absence for the purpose of study at the New York Neurological Institute.

It is pleasing to report that a fewer number of accident cases requiring first aid treatment have occurred in the community.

During the year many requests for lectures in psychiatry have been made by the various nurses' training schools in the county, and courses of lectures have been given by the various staff members. If the demand for this service increases during the next year it will be necessary to arrange a definite time when all these schools can meet together. Many lectures and talks have been given by the Superintendent and other members of the staff, to various clubs, parent-teachers' associations, and societies.

Our consulting physicians and surgeons have continued to render very faithful and efficient service to the hospital when called in on special cases, and for this I wish to express my sincere appreciation. The following report indicates the operative procedures done by them:

Abortion, removal of placenta, 1; appendectomy, 4; Colostomy, 1; drainage appendiceal abscess, 1; enucleation of eye, 1; enucleation of a post-cervical gland for biopsy, 1; herniotomy, 1; hysterectomy (sub-total), 1; incision and drainage

of infected toe, 1; incision and drainage of left tibia (osteomyelitis), 1; incision and drainage septic sore foot, 1; incision and drainage sub-fascial abscess, 1; laporatomy (exploratory), 1; mastoidectomy, 1; oophorectomy, 1; open reduction fractured right patella, 1; reduction Colles's fracture, 1; removal of foreign body from vertebral column, 1; salpingectomy, 1; tenorrhaphy, 1; tonsils and adenoids, 6.

HYDROTHERAPY DEPARTMENT

No changes have been made in this department during the past year and it has continued to function very actively. New plans have been discussed for the enlargement of the present hydrotherapy suites as they are equipped with antiquated apparatus and are inadequate for the proper treatment of the numerous newly admitted cases. In spite of this fact, the department has given many more treatments than were administered during the preceding year. The trained hydrotherapists have continued to instruct each new nurse and attendant in the various hydrotherapeutic measures before they are permitted to administer any form of treatment.

Dr. Rebekah Wright, of the Department, spent September and October at the hospital instructing the physicians, nurses and attendants in new methods which are approved. She also supervised much of the work during this time and I wish to extend my appreciation for her painstaking and valuable assistance.

The sedative forms of treatment have continued to bring about improvement in the overactive and excited types of cases, while the tonic baths have created marked improvement in the depressed types.

A report of this department shows that the following treatments were given during the year:

The application of the wet sheet pack was prescribed for 812 patients. This represents a total of 20,054 packs for 56,206 hours of treatment. In the continuous bath 420 patients were treated for a period of 14,009 hours, which represents a total of 3,713 baths. 7,691 tonic bath treatments were also given to 629 patients.

PHYSIOTHERAPY DEPARTMENT

The physiotherapy department continues to be one of the most active departments in the hospital. There has been a marked increase in the number of patients treated, and in the total number of treatments given. The results obtained have been most satisfactory. The work is still carried out by a trained physiotherapist in charge, with the assistance of nurses assigned from the nursing service. Plans have been made to provide instruction in massage for the student nurses. Lectures and demonstrations will be given by the physiotherapist, and the students themselves will have opportunities to do practical treatments.

During the year, ending November 30, 1933, a total of 9,640 treatments has been given. A classification of these treatments is given below:

Infra-red radiations, 4,573; diathermy treatments, 951; sinusoidal current treatments, 1,418; ultra-violet ray, water cooled, 513; ultra-violet ray, air cooled, 1,197; auto-condensation treatments, 54; electro-desiccation, 18; massage treatments, 916; total, 9,640.

PERSONAL HYGIENE DEPARTMENT

The personal hygiene department continues to be one of the active centers in the hospital. The work is carried on by a trained worker, assisted by patients adapted for this type of occupation. We have especially endeavored to treat the deteriorated types of patients by this means of therapy, and the results have been gratifying.

During the year ending November 30, 1933, a total of 12,914 treatments has been given. A classification is given below: Scalp treatments, 264; massage, 366; hair waves, 2,499; manicures, 3,010; shampoos, 2,787; hair cuts, 3,988; total, 12,914.

VENEREAL CLINIC

This clinic has been functioning regularly during the past year as heretofore, with the treatment of a large number of cases, both male and female. A day has been reserved for the treatment of men as well as a day for women. Various arsenical preparations were used, being supplemented with bismuth and mercury salts.

Malarial therapy continued to play an important role in the treatment of selected cases usually to supplement the medicinal treatment. While several cases have returned each week for follow-up treatments, no physicians have taken the opportunity of sending cases in from the community as in former years.

DENTAL SERVICE

All newly admitted cases have been given a thorough dental examination and such prophylactic work as would enhance the health of the patient has been done. For a brief period of time we were without a dental hygienist and since November 4th we have had to rely on a local dentist to do our emergency work because of the resignation of Dr. Charles H. Endee, who left to enter private practice. Since that time the periodical examinations and treatments were temporarily suspended.

The work accomplished for the year is indicated in the following table:

December 1, 1932 to December 1, 1933

Cleanings	920
Extractions	1,067
Fillings	492
(Silver cement and silver amalgam, 125; silver amalgam, 144; cement, 22; porcelain, 70; zinc oxide and eugenol, 115; sterident, 1; temporary cement, 2; red copper cement, 9; cutta percha, 4.	
Prosthetics	92
(Completed full plates, 12; completed bridge, 1; repaired full plates, 13; miscellaneous corrections, 56.	
Oral treatments in general	772
(Vincent infections, canker sores, gingivitis, abscesses.	
Referred to x-ray	44
New patients examined	764
Re-examinations	259
Total number of patients treated	2,731
Sent to Danvers for extraction	3
Lectures	7

ENTERTAINMENTS

During the winter months regular talking pictures and dances have been held weekly for our patients. In order to include a larger group at the picture entertainments we have shown them both in the afternoon and evening. In this way we have been able to entertain a group from some of the more active wards, which was formerly excluded because of lack of space in the chapel. In the summer season the dances and pictures were discontinued and baseball games were played for the enjoyment of our patients, between the hospital team and those from the surrounding towns. Because of the great distances it was not feasible to schedule games with other hospital teams as we had done in former years. The various Auxiliaries of the American Legion have continued to bring weekly entertainments to our ex-service men, and at the same time distribute sweetmeats, tobacco and cigarettes to them. Several times during the year special parties were given under the direction of the occupational therapy department. It was through the kindness of Rev. Remi Schuver, Mr. George Libby, and Mr. Angus Murdock that professional entertainments were given during the year. We are indebted to Mr. Darius A. Ives and Mr. Samuel Harris for giving some very excellent band concerts during the summer season. It was through the kindness of Mr. Emil Fuchs, president of the Boston Braves Baseball Company, that a group of patients were able to witness a league game on September 1st.

PSYCHIATRIC CLINICS

The out-patient clinics for patients away from the hospital on visit have been continued regularly throughout the past year, being held in Gloucester, Haverhill, Lynn, Malden, Newburyport and Salem. Many cases have been contacted through these clinics and it is interesting to note how large these clinics have grown during the past few years. While occasional cases are referred for consultation by physicians in the community, this service is not being used to its fullest extent.

ADULT MENTAL HYGIENE CLINIC

This clinic has continued to function as in former years, serving the community in and around Lynn because of its location at the Lynn Hospital. The clinic meets once a week on Wednesdays from 2 to 4 P.M., with a psychiatrist, social worker and medical student in attendance.

X-RAY DEPARTMENT AND LABORATORY SERVICE

The following is a list of the work done in the x-ray and clinical laboratories for the fiscal year of 1933:

Autopsies	33
Bacterial cultures	107
Basal metabolic rate determinations	22
Blood chemistry:	
Blood sugar	45
N. P. N.	14
Sugar tolerance	1
Blood cultures	11
Red blood cells	1,020
White blood cells	1,096
Differential counts	236
Hemoglobin determinations	1,020
Coagulation time	11
Bleeding time	7
Gynecological smears	243
Spinal fluids:	
Gold sols	198
Cell counts	5
Sputum examinations	90
Stool examinations	21
Urinalyses	4,262
X-ray plates taken	1,077

The work during the past year has shown a considerable increase in the clinical work done and a decrease in the number of autopsies. There was an increase of practically 1,300 urinalyses over the previous year, and over 200 more x-ray plates were taken than in the previous year. There was also a considerable increase in the number of blood counts and differential counts, as well as in the number of sputa examined. There was a decrease in the number of gold sols done on spinal fluids, which, in all probability, is due to the fact that permission for lumbar puncture is now required.

OCCUPATIONAL THERAPY DEPARTMENT

This year we have carried an average of twelve classes, including 2 work-shop groups, 6 ward classes and 4 physical education groups, the report of which will follow below. This is 2 less than the number carried last year, due to a decrease in the number of students coming to us, and to additional work being done on the hospital library. Types of patients reached in these treatment groups include admissions, chronic, acute, disturbed and tubercular.

There have been all together 474 patients under treatment, averaging 211 per month. Of the total number 167 have been promoted into hospital industry, and 100 have gone home on indefinite visit.

A slight change in our record system has been instigated. Individual progress charts on patients are now being kept, rather than several combined on one sheet. These are reviewed by the staff monthly. Also, the charts are placed in the hands of the physicians on duty over each week-end for reference while talking with relatives and friends of patients. Semi-annual notes are made and put on file in the case histories.

A summary of finished craft articles for the year, all of which are kept on as practical a basis as possible for immediate use in the hospital, is as follows:

Table runners, embroidered and woven; rugs, woven, braid-weave, hooked; mats; woven and knitted couch covers; knitted wash rags; applique and tie and dye curtains; cafeteria doilies; crocheted and raffia doilies; pillows, crayon, painted

and embroidered; bed trays; bookcases; door stops; leather articles (keytainers, scissors cases, book covers and suede purses); wall panels, block print, crayon, painted and applique; carved wooden wall plaque; knotted window and key cords and napkin rings; copper desk equipment — blotter pad corners, paper cutters, letter holders and pen holders. Additional copper articles include ash trays and tea tiles. Cribbage and checker boards; bird houses; woven handbags with carved tops; picture frames; carved boxes and lampshades.

An exhibit of work done in classes by patients was arranged at the annual Topsfield Fair in September. Also a display from the industrial department showing the shoe, clothing, broom and brush construction carried on there.

Special parties and entertainments on holidays arranged by the Department and given in the Chapel for all patients in general included, Christmas week, Valentine Frolic, St. Patrick's Card party, Hallowe'en dance and Thanksgiving Card party. Entertainment at these affairs is supplied, for the most part, by the patients, supervised by the therapists. A "tumbling act" staged by ten male patients was provided at the St. Patrick's party. The effort and cooperation of the participants is worthy of comment in passing. Smaller parties have been held from time to time for members of our classes only.

Other group projects carried on throughout the year for the purpose of recreational and social stimulation include:

Planting and care of the Shop flower garden. Each season patients plan a somewhat different lay-out, both as to flower arrangement and garden equipment. Flowers are cut for Shop ornamentation.

Evening Ward groups on the male and female services, as begun the previous year were continued. Student therapists have conducted these in an effort to stimulate ward spirit. Cards, competitive games, reading, music — orchestral and singing — have comprised the program.

O. T. Garret Club. Our Club has progressed during the year. Additional equipment has been added to the room in the form of curtains, posters, bookcase and ping pong table. Here groups of acute cases are brought for individual work in an informal, clubroom atmosphere. Miscellaneous groups have been supervised in simple dramatics, and have produced, in finished form, a shadow play from Lowell's "Bigelow Papers". This was presented before a group of visitors. Also, a one-act play with a cast of twelve, was staged at the Christmas Party and was received with enthusiasm. Patients are encouraged to plan their own costumes. It is felt that this type of treatment offers a less formal basis of approach than that of regular class work; requires concentration and use of imagination on part of patient; combines spirit of fun and work, and demands good group cooperation.

Community Sings were conducted bi-weekly during the summer in place of the dances which were suspended from May to October. These were attended by both the men and women, with an average attendance of about eighty. Led by two volunteer song leaders and accompanied by a five-piece patient orchestra, semi-classical, popular, old favorites and request numbers were sung. The leaders also conducted singing in conjunction with some of the out-door band concerts.

A small hospital publication in the form of a one-piece news sheet was started, and has continued to be issued every other week. The purpose of this paper has been to serve as a medium for contributions from the patients consisting of literary material, comments and suggestions, as well as carrying general hospital news and activities — ward and personnel. Interest has been stimulated through special holiday numbers, contests, etc. The paper is put out in mimeograph form, the therapists being assisted in the printing by patients.

The Occupational Therapy Department has taken over the library this past year. Several hundred old books, beyond a useful stage, were discarded and the remainder classified and catalogued according to the Dewey Decimal standard system. New books have been purchased and donations received, amounting to a total of 615 to date. Total number of volumes in the library at present is 1,650, of which 500 are non-fiction. We wish to thank those who have been, and are, contributing toward helping us to expand the library. Arrangements have been made with the Committee of the Peabody Institute Library for a monthly loan of books to be circulated through the hospital library. This has proven highly satisfactory during the six months it has been in operation, and we extend to the

Committee our appreciation. Lists of new books and those especially recommended are posted in the library, and on the cafeteria bulletin boards. Patients unable to come to the library alone are brought by therapists at regular times each week.

There have been in our training course this past year, 2 groups of students, numbering 5 and 3 respectively, from the Boston School of Occupational Therapy. Each group spent 6 months here in psychiatric instruction and practical experience.

Each 3 months a 21 hour course is given to the affiliating nurses in theory and actual craft technique and analysis. The senior nurses of the hospital training school also receive a similar course of instruction during their last year.

The Department has recently begun work on a movie project with the Eastman Movie Camera owned by the hospital. A program, to be carried out during the coming year, will show daily life of the patients, all forms of treatment employed, as well as the extent of the hospital lay-out, buildings and property. These reels will be used for educational and lecture purposes. Credit is due the Psychology Department for aid in mapping out the program to be followed.

A total of 225 patients, averaging 140 per month, have come under this form of treatment. Classes are held on the wards, in the Chapel and out-of-doors. They are divided according to the patients' conditions — deteriorated, stuporous, excited and improved.

The improved classes participate in marching, days order, followed by a period of free play including volley ball, indoor baseball, basketball, tennis and dancing. Work with the deteriorated groups includes simple marching, very simple days order, relay games, dancing and music. Special periods of music have been tried with disturbed patients and have proven quieting in many instances.

During the summer months the out-of-doors classes hike, play tennis and baseball. The addition of tennis to the curriculum this year has been popular, the hospital court being used. It has been advantageous both from an instructive point of view and as a means of improved motor coordination for cases requiring that. Deteriorated groups are worked with in the backyard enclosures where simple exercises and games are carried on.

CONSTRUCTION REPORT

The following construction report shows the work of the department for the past year:

Carpenters: Making of desks in the shop. Building cement bulk head in "H" basement. General repairs after fire at hennery. Building box stalls and making general repairs in barn. Building 4 bathrooms in Employees' Home. Building 7 fire escapes at Middleton Colony. Putting wood floor in female tunnel. Changing doors and making general repairs in cafeteria. Putting in hangers for lights in surgical building. Building of bull pens in barn. Repairs on brooder houses at hennery. Putting hay hoisting machine in barn. Putting cement troughs in piggery basement. Putting in slate for shower baths at Farm Hall. Fitting up coat room on ward G-4. Making general repairs at Cottage No. 7. Removing plaster lath and furring from coil rooms in main building. Making windows, frames and setting stone work in Rear Center. Making laundry boxes, furniture, tables, etc. in the shop. Putting in overhead track and hoist at the Power House. General repairs on the cement room in the salvage yard. Making woodwork for carts, wagons, plows, wheelbarrows, etc. in the shop. Putting in panels, window guards, etc., in the chapel. Building of office for Arts and Crafts Department. Building of 30 settles in the shop. Making Morris chairs and settles for I-1 sun parlor. Repairs on coal trestle at the Power House. Making of steel tables for the cafeteria. Moving portable building and tables to old filter beds. Trimming of pine grove and trees on avenues. Repairs on roofs, slates and gutters of main building. Putting in gates and house at foot of hill. Building cement walls, driveway and garage at Cottage No. 3. Inside repairs and all new floors in Cottage No. 5-A. New sills and repairs in Harrington Building at Middleton Colony. Four ward dining rooms remodelled to dormitories in main building. Forms for cement curbs on street in front of main building. General repairs on female summer house. Putting new roof on morgue. Building garage for Cottage No. 2. General repairs on male summer house. Making furniture for cafeterias in the shop.

Painters: Painting walks and rooms in Rear Center basement. Inside painting of two cow barns. Glass set for year: 1,877 lights. Painting inside hennery where burned. Painting of floors on ward I-1, A-1 sun parlor, and Rear Center. Painting inside of Community Hall. Painting new water sections in Employees' Home. Painting rooms and wards J-3, B-1 and J-2. Finishing of furniture for cafeterias. Painting rooms and wards A-1, and I-3. Painting outside main building. Coating of all paper roofs. Painting inside Cottage No. 1. Painting hoist and inside work at ice plant. Painting outside doors of cottages. Finished and papered inside of Cottage No. 5-A. Old dining rooms finished in main building. Painted inside of Grove Hall. Painted female summer house. Painted kitchen and corridors at Middleton Colony.

Masons: Cemented basement floor under new kitchen. Brick room for janitor and storage in new basement. Putting in sewer lines at barn. Topping of chimneys on main building and Middleton Colony. Building bulkhead at "H" basement. Building catch basins at barn. Pouring of cement at piggery. Cutting windows, bricking up and cementing Rear Center. Laying 20" cement pipe line near old filter beds. Plastering new water sections at Employees' Home. Laying and cementing car tracks in new basement. Cutting joints and repointing in new kitchen. Building stone walls and cement cappings for Cottage No. 3. Building stone gate posts and sentry house at foot of hill. Building of catch basins in Service Building. Pouring and finishing cement curbs in front of main building. Cement floor in garage of Cottage No. 3. Building brick garage for Cottage No. 2.

Blacksmith: Shoeing of horses. Making of stone drags. Sharpening of pickaxes, drills and chisels. Hangers for pipe lines and plumbing. Repairs on carts, wagons, plows and farm machinery. Making of steel refuse tubs and barrels. Rebuilding of coal cars. Making of steel tables. Building of iron gates. Repairs on bars, grates, etc. for Power House.

ENGINEERS' REPORT

All of the new cafeteria and kitchen equipment was installed by this department. This work was completed so that the equipment was put to use for the first time on April 19, 1933. Following this we installed the equipment in the ice cream making room.

A system of driven wells was installed near the Power House to furnish water for cooling the ammonia condenser. The quantity of water obtained so far is not enough to take care of the requirements. The results prove, however, that it will pay to add more wells to the system.

A travelling crane of seven tons capacity was designed and built for our engine room. This crane is a valuable addition to our engine room equipment as it makes possible the ready handling of heavy engine parts.

A line of underground electric cable was installed from the main power plant to Middleton Colony. A branch line was extended from the main line to the stone crusher. A total of about 8,000 feet of cable was installed. This cable replaced an old pole line, which was in need of extensive repairs. Our policy has been to replace all overhead lines with underground cables so that storms would not be apt to cripple our electric service.

This installation of underground cable does away with all overhead lines except 2 which are used for walk lighting only.

At the barn we made extensive changes in the power grinders and hay hoist drives.

A new Jay Bee grinder was installed with individual electric drive. The hay hoist was moved from the barn floor to a scaffold near the front of the barn and was equipped with individual electric drive.

The Banner Root Cutter was set up in the barn cellar and driven from the motor located there. All of these machines were crowded together before the above changes were made.

The new arrangement allows plenty of room to work in and makes far neater housekeeping and less fire hazard.

FARM REPORT

Farm production was maintained at the same level as in former years. On account of excessively dry weather early in the season, and an abnormally heavy rainfall in autumn, the potato crop did not come up to expectations.

There were produced 458,125 quarts of milk, an average for the year of 1,255 quarts daily; 3,762 bushels of potatoes; 550 tons of ensilage; 260 tons of hay; 17,397 doz. of eggs; 93,000 lbs. of pork; 17,000 lbs. of beef; 2,700 lbs. of veal; 7,400 lbs. of fowl; 4,700 lbs. of chicken, as well as an ample supply of vegetables for the needs of the institution.

A new driveway, 15 feet wide, was built from Maple Avenue to the garage in rear of Cottage No. 3. In order to get the proper grade for this road, the road bed had to be excavated to a depth of 3 feet in places, and, to keep these cuts from sliding into the road, a retaining wall was built of field stone and cement with a gate-post of the same construction at each side of the entrance. About 400 square yards of this road was built of field stones with the surface macadamized. The whole has a most artistic appearance.

Three hundred and fifty square yards of road, finished as above, were built back of the laundry. The grounds on each side of this road were graded and, in places, terraced with turf as space was not available for long sloping lawn.

A new driveway, leading from Maple Avenue to a garage adjacent to Cottage No. 2, is in process of construction. Although well started, this will not be finished until next Spring or Summer.

A new parking space, provided for visitors, has been excavated between the male attendants' home and the male wards. This space, about 3000 square yards in extent, was dug out to a depth of 2 feet, filled in with field stone and crushed rock, and will be macadamized in the Spring or sooner if weather permits. Much of the material dug out was used in grading and filling up the old sand pit (which will be mentioned later). This supplied much work for the teams.

The main driveways were kept in their usual condition during the Summer. Whenever a hole in the surface was detected, it was promptly filled with gravel and tar. Three thousand six hundred square yards of farm roads were resurfaced with gravel and kept in reasonable condition all Summer by using a tractor drawn road scraper at stated intervals.

Not much was done in the way of new construction of walks during the past season. A small tar walk, about ninety square yards, was built around the physician's house at Middleton Colony. The rest of the walks around the institution and Middleton Colony were kept in repair the same as the main driveways.

The abandoned sand pit along the right-of-way of the Boston & Maine Railroad has been filled in and the surrounding knolls have been leveled down, so that what was formerly a mud hole is now available for cultivation. The material excavated from the parking place on the hill was used for filling the above.

The death of the lessee of the land on which stood an old cider mill, near Howe station, allows this part of a field to revert to the institution. The cider mill has been removed, the side filled in and graded and all that is necessary to make this corner fit for cultivation is the removal of several trees, for which, the permission of the tree warden of Middleton must first be had.

The field surrounding the cemetery north of Middleton Colony has been cleared, plowed twice and much debris of all kinds carted away. When a little draining has been done, and everything is ready to have this finished in the Spring, about 3 more acres of arable land will be added to the farm and the whole appearance of that section much improved.

Work is still being carried on on a small corner beyond the stone crusher in an endeavor to square off the side of field No. 28. A neat four-foot woven wire fence has been erected and the trees, stumps and rocks are being removed as fast as conditions will permit. This job, in all probability, will be completed by the time the field is ready to plant in the Spring.

Work is still being vigorously conducted in an endeavor to civilize the abandoned filter beds and to render them and the adjoining land, heretofore designated as "too rough for cultivation" fit for growing crops.

A good woven wire fence has been erected along Dayton Street, replacing the old picket fence which had rotted away and fallen down and a detail of about 100

patients, with wheelbarrows and shovels, worked on the filter bed embankments all Summer, leveling them. No doubt this field will be fit for the plow after several Summer's work on them. One hundred more feet of 24-inch cement pipe has been added to that already laid from the stone crusher towards the Ipswich River and much fill from the filter bed embankments is being hauled over this pipe so it can be plowed over and made part of adjoining field.

The roots, rocks and rubbish from around the filter beds as well as the debris from the cemetery field have been used to fill in the very unsightly abandoned sand pit near the Colony power house. Most of this has been covered over and will soon be in shape to be made into lawn. A tennis court was built at Middleton Colony, which called for considerable labor and materials of inexpensive nature. The material excavated from the court was largely used for covering over the rocks, roots and debris filling the sand pit near Colony power house.

A little landscape work was done around the physician's house at the Colony, which will doubtless improve in appearance as the trees and shrubs grow larger.

Appropriately spaced by a well-known landscape architect, specimen evergreen trees from 5 to 8 feet in height have been planted on the steep embankment which surrounds the hospital proper. These trees have a very favorable appearance from all points and presumably will enhance still further the view of the hospital as they increase in size.

RELIGIOUS SERVICES

The regular religious services have been held each Sunday as previously. At 9:30 A.M. Catholic services were held for all patients in the main hospital and the Colonies, by Rev. Remi B. Schuver. In the afternoon at 2 o'clock, Protestant services were held by various clergymen from Danvers and environs. Other Catholic and Protestant services were held at less frequent intervals at the Middleton Colony for those patients who were unable to get to the chapel. Once each month the Jewish patients met with Rabbi Moses L. Sedar.

The following clergymen have assisted us during the year: Rev. Remi B. Schuver, Rabbi Moses L. Sedar, Reverends Russell D. Cole, Paul Mayer, William Grimes, Nathan Matthews, Hazel Kirk, Kenneth Henley, Wilmert Wolfe, John Knight.

ACKNOWLEDGEMENTS

I wish to express my sincere appreciation and gratitude to the Board of Trustees for their continued support and helpfulness in the problems of administration that have arisen. To all hospital officers and employees, as well as to the many friends who have contributed their time and money to help bring pleasure and comfort to my patients, I wish to express my thanks.

Respectfully submitted,

C. A. BONNER, M.D.

Superintendent.

REPORT OF TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the forty-fourth annual report of the Training School for Nurses.

Personnel, November 30, 1933: Principal of the School of Nursing, 1; Assistant Principal of the School of Nursing, 1; Chief Hospital Supervisor, 1; Assistant Supervisor, day, 1; Assistant Supervisor, night, 1; Head Nurses, graduates of Danvers State Hospital, 9; Hydrotherapist, 1.

There were 186 requests for information in regard to the training school. Thirty-one blanks were returned. Twenty-three students were accepted. Eight have withdrawn. Three applicants changed their minds. Two references were not satisfactory. Two were unable to report because of injuries in automobile accident, one on the waiting list.

On November 30, 1933 our students were as follows: Seniors, 14; Intermediates, 17; Probationers, 16.

The affiliated nurses for the year ending November 30, 1933 were as follows:

Miller's River Hospital: Jessie E. Briggs, Stella Rines, Geneve N. Perry, Elizabeth Cembalisky, Bertha Dufour, Stasia Ambrozy.

Somerville Hospital: Elva C. Johnson, Janet Jenkins, Helen C. Renton, Mary Clark, Mary Tessicini, Nora E. O'Connor, Eva Salvuccio, Margaret McTiernan, Ruth Schworm.

Chelsea Memorial Hospital: Adeline Dentone, Rebecca Hammerman, Anne Statt.

New England Sanitarium: Paul S. Furman, Carlyle B. Shultz, David Stone.

Graduate Nurses for three months' course:

Boston City Hospital: Mary Hally.

J. B. Thomas Hospital: Agnes Callan.

Lowell General Hospital: Esther A. Swallow.

The graduating exercises were held June 29th. The following nurses received diplomas:

Ruth Marie Arris

Pauline Marie Atspins

Dolores Billington Caney

Bessie Myrtle Carter

Anna Mary Casale

Amy Alice Clark

Gertrude Arlene Colby

Margaret Theresa Copley

Helen Catherine Dort

Hazel Ruby Hopping

Dorothy Marion Maynard

Evelyn Augusta McCormack

Frances Louise McNeill

Mary Agnes Purcell

Wanda Stepenuk

Bessie Myrtle Carter was the honor student winning the scholarship prize awarded each year by the Alumnae Association.

In closing I wish to thank the members of the medical and hospital staff for their help and cooperation during the past year.

Respectfully submitted

OLIVE F. ESTEY, R. N.

Principal of the School of Nursing.

SOCIAL SERVICE REPORT

To the Superintendent of the Danvers State Hospital:

I herewith submit the report of the Social Service Department for the year December 1, 1932 to November 30, 1933.

During this year 1,477 cases have been referred to our department. Of these, 984 were referred to us for the first time. Most of our work was with patients in the hospital, in 879 instances. We did some work in the cases of 132 patients, who are on visit from the hospital. There were 41 new patients at the Adult Mental Hygiene Clinic in Lynn. Thirty-two former patients continued treatment during the year at the clinic. One hundred and thirty-eight new cases were seen at our several Child Guidance Clinics. Twenty-four cases, who had been active before this year in these clinics, continued the treatment during the year.

Five hundred and seventeen histories were taken at the hospital. Three hundred and one histories of hospital patients were taken in the community. In making investigations for diagnoses, 71 were in cases of conduct disorders, 6 employment situations, and 27 investigations were made of statements made by patients themselves. These were made to affirm or disprove statements made by the patient that would have a bearing on the hospital staff's decision in their cases. Investigations were made in 40 instances where conflicting or contradictory statements were made by various informants. Forty-three patients were referred to us for investigation of their home conditions prior to discharge on visit from the hospital. In 132 cases we attempted supervision of patients at home on visit from the hospital.

The Adult Mental Hygiene Clinic in Lynn average 7 patients at each clinic. During June it was necessary to have the aid of a second psychiatrist in order to study before the summer all the cases then referred to the clinic. Physicians at the out-patient clinics of the Lynn Hospital referred 12 of the new cases to our clinic. Five others were referred to the clinic by former patients of the clinic. We hope that next year more adolescents may be referred to us.

Lynn Child Guidance Clinic: Ten children have been receiving speech training from the speech teacher. One boy was given special help in reading by a clinic psychologist. He improved in his reading and has been promoted. His present teacher says he reads as well as other children in his grade. The social agencies in

Lynn cooperate in referring cases to us and in helping us carry out treatment. They have sent us 17 new cases during this year. The schools have sent 9, and private physicians, 5. Seven were referred by their parents. In 2 of these families older children had been previously treated at the clinic.

The types of problems have been habit problems, school difficulties, conduct disorders, personality deviations, and organic conditions. Study often revealed personality difficulties as causative factors of behavior problems.

An attempt was made to locate cases of post-encephalitis in Lynn, but all the children referred with this possibility proved to be cases of retarded mental development.

The Gloucester Child Guidance Clinic has met weekly in the Hovey School, where accommodations are rather limited. Eleven new cases have been examined; also 9 school clinic children. In 2 instances mental retardation was the chief problem. One was in need of habit training, 2 were sex offenders. One boy has been placed in the Lawrence Training School with excellent results. One boy, whose chief problem was difficulty in reading, was given intensive training by the clinic psychologist. The clinic feels the lack of cooperating social agencies. It is to be hoped that in the following year more use will be made of the clinic, especially by the schools.

Newburyport: A Child Guidance Clinic was opened in Newburyport on November 10, 1933, to meet twice a month. It has a desirable location at the Health Center, where social agencies of the city have their headquarters. In the two sessions of clinic 3 cases have been seen: one of pre-school age where habit training is necessary, and two children whose maladjustment in school led to their being referred to the clinic for study. The clinic has made an auspicious beginning. Local agencies are given excellent cooperation; the number of cases already referred indicates the readiness of the community to accept the clinic as an active part of it.

Haverhill: The elementary schools have been the clinic's generous referring agency, sending by far the largest percentage of children. Only 3 of our new cases have been of high school age. It is gratifying that several schools outside of Haverhill have accepted clinic help more than they did last year. The majority of these school children were behavior problems and not primarily retarded. An appreciable number of patients presented a need for medical attention, prior to any other treatment. These were referred to private physicians, who, it is hoped, will reciprocate as freely as public health agencies have done. Removal from home was advised for several children, but either finances or parental consent prevented this being carried out in all but 2 instances. These 2 children were placed in proper schools and are adjusting nicely.

For another year the clinic might well strive to make more contacts with recreational, vocational and educational clubs, as well as churches, so that both child and community may feel that the clinic is trying to be an integral part of the community.

Lawrence: Lawrence Mental Hygiene Clinic meets at the new Y.W.C.A. building. The building is centrally located, very pleasant, and has ample accommodations for the clinic. So few cases were referred to the clinic last winter and spring that this fall the clinic has decided to meet twice a month instead of weekly. Whether because of this, or for other reasons, more cases are being referred to us now than heretofore. Several cases have been referred by the schools for examination and recommendation as to placement in school. Three were referred by schools outside of Lawrence because of conduct disorder.

Beverly: Most of the children at our Beverly Habit Clinic are referred to us by the Beverly Health Center, whose nurses come upon these problems while making their visits in the homes. Some children are referred by the schools where the children are not adjusting, either in school work or in association with their fellow pupils. Two parents heard of the clinic — one through a newspaper notice — the other through hearing the clinic psychiatrist speak to a church group — and wanted to take advantage of the clinic for their children, who were presenting problems with which they themselves could not cope.

It is a pleasure to be associated with the Beverly Health Center, whose work is so whole-heartedly accepted by the community.

Miss Alice Williams and Miss Constance Leavitt left in the spring after completing their student's training here.

Miss Elizabeth Schuh, also a student during the year, stayed on for the summer months to help in the department during vacation time.

Miss Frances Spiegle, a graduate of Simmons College School of Social Work, spent a month with us during the summer.

Mrs. Doris Day, a former student in the department, helped during the absence of the head worker.

This fall, Miss Sarah Karp, a graduate of New York University, and Miss Priscilla Brown, a graduate of Smith College and the Nursery Training School, have come as students in the department.

Respectfully submitted,

MARY HENDERSON HOLLAND,
Head Social Worker.

REPORT OF EXTRA MURAL WORK WITH CHILDREN

To the Superintendent of the Danvers State Hospital:

The Child Guidance Clinics proceed in much the same manner as in the last 2 or 3 years. We continue to meet in Lynn at the Child Welfare House; in Haverhill at the High School; in the Health Center at Beverly. In Gloucester, we now meet at the Hovey School because it is more centrally located than was the Lufkin School. When the new Young Women's Christian Association building in Lawrence was opened, we transferred our quarters there at the invitation of the International Institute, who had previously provided us with rooms. The new accommodations in Lawrence are most attractive and comfortable, and are in the down town section — a decided advantage over the former arrangements. Not only have we changed our Lawrence address, but we are holding the clinic on the first and third Fridays of the month in order to cover the Newburyport district, where a new clinic was established this fall. Here we meet on the second and four Fridays. This has condensed work in the Lawrence Clinic to the point of where we are quite rushed. The Newburyport Clinic, too, has been busy from the start, and we feel the cooperation from the community and the local agencies has been most gratifying.

Twenty communities were visited and recommendations were made to their respective school superintendents following the examination of the 412 retarded pupils whose names were submitted to this hospital. Now that the law permits the examination of children not necessarily retarded (but actual or potential behavior problems) this work is perhaps a bit broader in its scope than last year. In these clinics, we often see a number of other cases informally about whom no actual report is made in writing.

During the year ending November 30, 1933, there was a total of 162 Juvenile Court cases examined by members of the medical staff under provisions of Chapter 215, Laws of 1931.

For exact figures of the case work with children in the Child Guidance Clinics, I refer you to the annual reports of the Social Service Department and Department of Psychology.

Respectfully submitted,

DORIS M. SIDWELL, M.D.

PSYCHOLOGICAL REPORT

To the Superintendent of the Danvers State Hospital:

The following report for the Department of Psychology covers the year ending November 30, 1933:

Our personnel included 3 full-time assistants, Dorothy C. McLeod remaining with us as first assistant and two junior assistants being engaged on one-year appointments. Lucy C. Sanborn and Alice W. Schoenfuss served as junior assistants from December to July, and Margaret C. Taylor and Kathleen C. Arnold for the rest of the year. Two students, James Hurley and H. Parker Wetherbee, worked with us for a few weeks during the summer.

Newly admitted patients under 60 years of age were observed by some member of the department, for such psychometric examination as seemed suitable in each case. 459 hospital patients were examined with a fair measure of adequacy, and

40 additional ones were given a partial examination. One hundred and thirty-five children were examined in the various child guidance clinics conducted by Dr. Sidwell, 383 retarded children were tested in the school clinics, and there were 172 court examinations. Also, 18 unclassified cases were referred to us for special examination. The total number of subjects individually examined was 1,207.

Newly admitted students of the Essex County Agricultural School were given a group examination, at the opening of the school year, to aid the school in classifying them for instruction. One hundred and thirty-one students were thus examined in September.

At the child guidance clinics any children whose retardation in school progress seemed out of proportion to the mental retardation indicated by mental tests we observed with special care for any evidence of inherent difficulty in learning to read. Six children were brought to the clinic each week for intensive tutoring, for periods ranging from 6 weeks to 6 months. Miss McLeod had 2 such cases at Beverly, Miss Sanborn had 2 at Haverhill and 1 at Gloucester, and Miss Schoenfuss had 1 at Lynn. Each of these children was studied as an individual problem, in an attempt to find the best method for overcoming the difficulty. The methods devised for these children have become a part of our permanent equipment for instructional work with cases of reading disability.

From January to June Miss Sanborn gave special instruction, almost daily, to one of the juvenile patients of the hospital. It has not been found possible to continue this work since Miss Sanborn left, but we can claim positive results for the period of instruction. The child showed sufficient responsiveness to prove that a psychotic child is not necessarily beyond the reach of training.

Ten hours' instruction was given in the hospital training school, this entire course being repeated every 3 months for a new group of affiliate nurses. A four-hour course in psychometrics, treated as a unit, was given by the junior members of the department in rotation; and 6 selected topics in general psychology, somewhat detached, were divided among the 3 assistants, each of whom prepared 2 lectures and presented them 4 times.

The cost of our routine examinations was kept at a minimum by the preparation in our office of any test forms which can be printed on the mimeograph. We are regularly using over 30 forms thus obtained, some of them being prepared by the thousand. Many other materials for psychometric work have been made in our own workshop.

Two research studies which had been in progress for several years were completed, one in July and one in September. They have been accepted for publication in psychological journals, to appear sometime in 1934. Three other research projects are well advanced.

Many inquiries have been received from outside concerning the various tests developed in this hospital and standardized by the department. In view of the difficulty and delay involved in bringing a paper to publication, it has seemed advisable to give out freely, for the use of other clinics, any unpublished material which is in shape to be used. A London psychiatrist who visited our department in May is using several of our tests in his own work and has introduced some of them into 4 other clinics of London.

Respectfully submitted,

GRACE H. KENT, Ph. D.

Psychologist.

VALUATION

November 30, 1933

REAL ESTATE

Land, 517.68 acres	\$99,112.00
Buildings	2,718,674.71

\$2,817,786.71

PERSONAL PROPERTY

Travel, transportation and office expenses	\$4,233.37
Food	14,952.54
Clothing and materials	19,797.98
Furnishings and household supplies	134,879.24
Medical and general care	11,534.57
Heat and other plant operation	10,400.50
Farm	66,471.72

Garage and grounds	5,868.37
Repairs	20,895.05
	<u>\$289,033.34</u>
SUMMARY	
Real estate	\$2,817,786.71
Personal property	289,033.34
	<u>\$3,106,820.05</u>

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1933.

STATEMENT OF EARNINGS

Board of patients	\$106,076.46
Personal services:	
Reimbursement from Board of Retirement	233.93
Sales:	
Food	\$285.44
Clothing and materials	40.14
Furnishings and household supplies	12.86
Medical and general care	60.59
Heat and other plant operation	187.35
Garage and grounds	124.08
Repairs ordinary	110.20
Farm: (itemize) pigs and hogs, \$89.24; ice, \$176.75; sundries, \$229.07.	495.06
Total sales	1,315.72
Miscellaneous:	
Interest on bank balances	\$15.02
Rents	690.00
Total miscellaneous	705.02
Total earnings for the year	<u>\$108,331.13</u>

MAINTENANCE APPROPRIATION

Balance from previous year, brought forward	\$18,732.11
Appropriation, current year	627,500.00
Total	<u>646,232.11</u>
Expenditures as follows:	
1. Personal services	\$325,599.12
2. Food	85,707.97
3. Medical and general care	10,044.55
4. Religious instruction	1,916.27
5. Farm	22,162.82
6. Heat and other plant operation	87,526.14
7. Travel, transportation and office expenses	7,549.72
8. Garage and grounds	4,601.31
9. Clothing and materials	17,791.85
10. Furnishings and household supplies	31,755.85
11. Repairs ordinary	16,900.93
12. Repairs and renewals	5,587.61
Total Maintenance Expenditures	<u>617,144.14</u>
Balance of maintenance appropriation, Nov. 30, 1933	<u>\$29,087.97</u>

SPECIAL APPROPRIATIONS

Balance December 1, 1932, brought forward	\$9,105.75
Appropriations for current year	—
Total	<u>\$9,105.75</u>
Expended during the year (see statement below)	\$8,557.00
Reverting to Treasury of Commonwealth	98.10
(Star balances below that are reverting)	<u>8,665.10</u>
Balance November 30, 1933, carried to next year	<u>\$450.65</u>

APPROPRIATION	Act or Resolve Ch. Year	Amount Appro- priated	Expended during Fiscal year	Total Expended to Date	Balance at end of year
Renovation of rear	115-1930	—	—	—	—
Center — construction	245-1931	\$300,005.40	\$629.93	\$300,005.40	—
Furnishings — kitchen and cafeteria equipment	245-1931 170-1932	36,994.60	7,927.07	36,543.95	\$450.65
Purchase of x-ray equipment	245-1931	4,000.00	—	3,929.11	70.89*
Purchase of land	460-1931	150.00	—	122.79	27.21*
		<u>\$341,150.00</u>	<u>\$8,557.00</u>	<u>\$340,601.25</u>	<u>\$548.75</u>

PER CAPITA

During the year the average number of patients has been, 2,115.

Total cost of maintenance, \$617,144.14.

Equal to a weekly per capita cost of (52 weeks to year), \$5.61.

Total receipts for the year, \$108,331.13.

Equal to a weekly per capita of, \$.98.

Total net cost of maintenance for year, (Total maintenance less total receipts), \$508,813.01.

Net weekly per capita, \$4.63.

Respectfully submitted,

HULDA ARONSON

Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED
BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

Data correct at end of hospital year November 30, 1933

1. Date of opening as a hospital for mental diseases, May 13, 1878.

2. Type of hospital: State.

3. Hospital plant:

Value of hospital property:

Real estate, including buildings	\$2,817,786.71
Personal property	289,033.34

Total	\$3,106,820.05
-----------------	----------------

Total acreage of hospital property owned, 517.6.

Total acreage under cultivation during previous year, 362.5.

4. Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	7	2	9	3	—	3
Clinical assistants	2	—	2	—	—	—
Total physicians	10	2	12	3	—	3
Stewards	1	—	1	—	—	—
Resident dentist	—	—	—	1	—	1
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	24	24	—	—	—
Other nurses and attendants	85	106	191	—	—	—
Occupational therapists	—	5	5	—	—	—
Social workers	—	4	4	—	—	—
All other officers and employees	81	58	139	4	2	6
Total officers and employees	178	197	365	8	2	10

NOTE: — The following items, 5-10 inclusive, are for the year ended September 30, 1933.

5. Census of patient population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
WHITE						
Insane	977	1,121	2,098	178	190	368
Epileptics	1	—	1	—	—	—
Mental defectives	—	1	1	—	—	—
All other cases	6	3	9	—	—	—
Total	984	1,125	2,109	178	190	368
OTHER RACES:						
Insane	14	11	25	—	—	—
Total	14	11	25	—	—	—
Grand Total	998	1,136	2,134	178	190	368
				Males	Females	Total

- | | | | |
|---|-----|-------|-------|
| 6. Patients under treatment in occupational-therapy classes, including physical training, on date of report | 74 | 164 | 238 |
| 7. Other patients employed in general work of hospital on date of report | 634 | 426 | 1,060 |
| 8. Average daily number of all patients actually in hospital during year | 989 | 1,115 | 2,104 |
| 9. Voluntary patients admitted during year | 3 | 1 | 4 |
| 10. Persons given advice or treatment in out-patient clinics during year | 325 | 103 | 428 |

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table.

NOTE: The following tables, 3-20, inclusive, are for the statistical year ended September 30, 1933.

TABLE 3. Movement of Patient Population

	REGULAR COURT COMMITMENT (INSANE)			VOLUNTARY			TEMPORARY CARE			OBSERVATION			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of Institution September 30, 1932	1,077	1,244	2,321	-	-	-	1	-	1	16	5	21	1,094	1,249	2,343
Admissions during year:															
First Admissions	257	244	501	1	1	2	68	25	93	56	24	80	382	294	676
Readmissions	55	68	123	2	-	2	15	10	25	20	8	28	92	86	178
Transfers from other hospitals for mental diseases	7	12	19	-	-	-	-	-	-	-	-	-	7	12	19
Total received during year	319	324	643	3	1	4	83	35	118	76	32	108	481	392	873
Total on books during year	1,396	1,568	2,964	3	1	4	84	35	119	92	37	129	1,575	1,641	3,216
Discharged from books during year:															
As recovered	-	-	-	-	-	-	17	1	18	12	1	13	29	2	31
As improved	93	100	193	1	-	1	18	10	28	15	18	33	127	128	255
As unimproved	12	10	22	-	-	-	5	8	13	3	-	3	20	18	38
As without psychosis	2	2	4	1	-	1	39	13	52	43	10	53	85	25	110
Transferred to other hospitals for mental diseases	15	6	21	-	-	-	-	-	-	-	-	-	15	6	21
Died during year	118	131	249	-	-	-	3	3	6	2	2	4	123	136	259
Total discharged, transferred and died during year	240	249	489	2	-	2	82	35	117	75	31	106	399	315	714
Insane patients remaining on books of hospital at end of hospital year:															
In hospital	980	1,129	2,109	1	1	2	2	-	2	15	6	21	998	1,136	2,134
On parole or otherwise absent	178	190	368	-	-	-	-	-	-	-	-	-	178	190	368
Total	1,158	1,319	2,477	1	1	2	2	-	2	15	6	21	1,176	1,326	2,502

Note:— The total males in the Insane and Observation groups will not balance through to September 30, 1933, owing to the fact that 2 males on Observation had a C.L.S. during the year to an R.C. commitment, thus making the males on Observation status minus 2 and the males on R.C. status 2 more than would be expected.

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States	154	159	313	76	78	63	71	74	61
Africa	—	—	—	—	1	—	—	—	—
Austria	1	2	3	2	2	2	2	2	2
Canada ¹	26	34	60	38	32	26	51	49	42
China	1	—	1	1	1	1	—	—	—
England	7	9	16	15	12	11	15	10	9
Finland	2	—	2	2	2	2	—	—	—
France	2	—	2	2	2	2	1	1	—
Germany	2	2	4	3	3	3	7	8	7
Greece	2	—	2	3	3	3	1	1	1
Holland	—	—	—	—	—	—	—	1	1
Hungary	—	—	—	—	—	—	1	1	1
Ireland	17	12	29	41	44	38	41	43	37
Italy	13	5	18	20	20	19	10	9	9
Norway	1	1	2	2	1	1	1	1	1
Poland	7	3	10	9	9	9	3	3	3
Portugal	1	—	1	2	2	2	—	—	—
Russia	10	9	19	15	15	15	13	13	13
Scotland	—	—	—	—	3	—	—	1	—
Sweden	2	3	5	4	5	4	3	3	3
Turkey in Europe	2	1	3	1	1	1	2	2	2
Wales	—	—	—	—	—	—	—	1	—
Other countries	6	2	8	9	9	9	4	3	3
Unascertained	1	2	3	12	12	10	18	18	15
Total	257	244	501	257	257	221	244	244	209

¹Includes Newfoundland.

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	154	159	313
Citizens by naturalization	33	27	60
Aliens	47	33	80
Citizenship unascertained	23	25	48
Total	257	244	501

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M. F. T.			M. F. T.		
	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses				2	—	2
2. Senile psychoses				7	15	22
3. Psychoses with cerebral arteriosclerosis				71	65	136
4. General paralysis				18	3	21
5. Psychoses with cerebral syphilis				8	1	9
6. Psychoses with Huntington's chorea				—	1	1
7. Psychoses with brain tumor				—	—	—
8. Psychoses with other brain or nervous diseases (other diseases)				6	6	12
9. Alcoholic psychoses, total				26	1	27
Delirium tremens	2	—	2			
Korsakow's psychosis	1	—	1			
Acute hallucinosis	8	—	8			
Other types, acute or chronic	15	1	16			
10. Due to drugs and other exogenous toxins, total				1	—	1
11. Psychoses with pellagra				—	—	—
12. Psychoses with other somatic diseases, total				6	6	12
Cardio-renal diseases	2	2	4			
Other diseases or conditions	4	4	8			
13. Manic-depressive psychoses, total				22	14	36
Manic type	10	4	14			
Depressive type	12	10	22			
14. Involution melancholia				4	12	16
15. Dementia praecox (schizophrenia)				62	94	156
16. Paranoia and paranoid conditions				1	3	4
17. Epileptic psychoses				3	6	9
18. Psychoneuroses and neuroses, total				9	7	16
Hysterical type	—	2	2			
Psychasthenic type (anxiety and obsessive forms)	3	4	7			
Neurasthenic type	4	1	5			
Other types	2	—	2			
19. Psychoses with psychopathic personality				—	—	—
20. Psychoses with mental deficiency				10	10	20
21. Undiagnosed psychoses				—	—	—
22. Without psychosis, others				1	—	1
Total				257	244	501

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Traumatic			Senile			With cerebral arterio-sclerosis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	4	5	9	-	-	-	-	-	-	1	3	4
Armenian	4	3	7	-	-	-	-	1	1	-	-	-
Chinese	1	-	1	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	1	1	-	-	-	-	-	-	-	1	1
English	68	76	144	1	-	1	-	5	5	23	32	55
Finnish	2	-	2	-	-	-	-	-	-	2	-	2
French	17	23	40	-	-	-	-	1	1	4	4	8
German	2	6	8	-	-	-	-	-	-	1	2	3
Greek	4	1	5	-	-	-	-	-	-	-	-	-
Hebrew	7	13	20	-	-	-	-	1	1	2	1	3
Irish	56	49	105	1	-	1	3	2	5	21	8	29
Italian ¹	19	10	29	-	-	-	-	-	-	2	-	2
Lithuanian	1	3	4	-	-	-	-	-	-	1	-	1
Magyar	1	1	2	-	-	-	-	-	-	1	-	1
Portuguese	2	-	2	-	-	-	-	-	-	-	-	-
Scandinavian ²	5	3	8	-	-	-	-	-	-	-	1	1
Scotch	1	-	1	-	-	-	-	-	-	-	-	-
Slavonic ³	12	4	16	-	-	-	-	-	-	-	1	1
Syrian	1	-	1	-	-	-	-	-	-	-	-	-
Turkish	1	-	1	-	-	-	-	-	-	-	-	-
Other specific races	1	-	1	-	-	-	-	-	-	-	-	-
Mixed	39	37	76	-	-	-	2	2	4	9	9	18
Race unascertained	9	9	18	-	-	-	2	3	5	4	3	7
Total	257	244	501	2	-	2	7	15	22	71	65	136

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	General paralysis			With cerebral syphilis			With Huntington's chorea			With other brain or nervous diseases			Alcoholic		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	6	1	7	2	-	2	-	1	1	-	4	4	2	-	2
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	4	-	4	-	-	-	-	-	-	-	-	-	2	-	2
German	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Greek	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	1	-	1	-	-	-	-	-	-	1	1	2	-	-	-
Italian ¹	1	-	1	3	1	4	-	-	-	3	1	4	8	1	9
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Magyar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	1	-	1	-	-	-	-	-	-	-	-	-	6	-	6
Syrian	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Turkish	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Mixed	3	1	4	1	-	1	-	-	-	1	-	1	4	-	4
Race unascertained	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Total	18	3	21	8	1	9	-	1	1	6	6	12	26	1	27

¹Includes "North" and "South"...²Norwegians, Danes, and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Due to drugs and other exogenous toxins			With other somatic diseases			Manic-depressive			Involution melancholia			Dementia praecox		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4
Armenian	-	-	-	-	-	-	1	-	1	-	-	-	3	2	5
Chinese	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Dutch and Flemish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	1	1	2	7	7	14	1	3	4	16	13	29
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	-	-	-	-	-	-	-	2	2	-	2	2	6	13	19
German	-	-	-	-	1	1	-	-	-	-	1	1	1	-	1
Greek	-	-	-	-	-	-	1	-	1	-	-	-	1	1	2
Hebrew	-	-	-	-	-	-	-	-	-	1	-	1	2	8	10
Irish	-	-	-	1	2	3	7	5	12	-	3	3	9	20	29
Italian ¹	-	-	-	1	1	2	1	-	1	-	-	-	7	7	14
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
Magyar	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Portuguese	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
Scandinavian ²	-	-	-	-	-	-	1	-	1	-	1	1	1	1	2
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	1	-	1	-	-	-	3	1	4
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	2	-	2	2	-	2	2	2	4	9	20	29
Race unascertained	1	-	1	1	1	2	-	-	-	-	-	-	-	2	2
Total	1	-	1	6	6	12	22	14	36	4	12	16	62	94	156

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Paranoia and paranoid conditions			Epileptic psychoses			Psycho-neuroses and neuroses			With mental deficiency			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	1	1	1	1	2	4	3	7	4	4	8	-	-	-
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	-	-	-	-	-	-	1	-	1	-	1	1	-	-	-
German	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Hebrew	-	-	-	-	1	1	1	-	1	-	1	1	-	-	-
Irish	-	2	2	-	-	-	1	3	4	1	2	3	-	-	-
Italian ¹	-	-	-	-	1	1	1	-	1	1	-	1	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magyar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Slavonic ³	-	-	-	1	-	1	-	-	-	-	2	2	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	1	2	3	-	1	1	2	-	2	1	-	1
Race unascertained	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	3	4	3	6	9	9	7	16	10	10	20	1	-	1

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	—	—	—	—	—	—
2. Senile	7	15	22	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	71	65	136	—	—	—	—	—	—	—	—	—
4. General paralysis	18	3	21	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	8	1	9	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	6	6	12	—	1	1	1	1	2	—	—	—
9. Alcoholic	26	1	27	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	6	6	12	—	—	—	—	—	—	—	—	—
13. Manic-depressive	22	14	36	—	—	—	—	1	1	3	—	3
14. Involution melancholia	4	12	16	—	—	—	—	—	—	—	—	—
15. Dementia praecox	62	94	156	—	1	1	12	12	24	14	9	23
16. Paranoia and paranoid conditions	1	3	4	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	6	9	—	—	—	1	—	1	—	—	—
18. Psychoneuroses and neuroses	9	7	16	—	—	—	1	—	1	2	—	2
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	10	10	20	1	—	1	—	—	—	4	—	4
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	—	1	—	—	—	—	—	—	1	—	1
Total	257	244	501	1	2	3	15	14	29	24	9	33

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	25-29 years			30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
4. General paralysis	—	—	—	3	—	3	1	—	1	4	1	5	3	—	3
5. With cerebral syphilis	—	—	—	—	—	—	2	1	3	2	—	2	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	2	—	2	2	1	3	—	1	1	—	—	—	1	—	1
9. Alcoholic	2	—	2	—	—	—	4	—	4	3	—	3	5	1	6
10. Due to drugs and other exo- toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	1	—	1	—	1	1	—	—	—	—	2	2
13. Manic-depressive	3	2	5	3	3	6	1	2	3	3	2	5	4	1	5
14. Involution melancholia	—	—	—	—	—	—	—	—	—	—	2	2	1	2	3
15. Dementia praecox	10	20	30	4	8	12	7	11	18	7	8	15	5	14	19
16. Paranoia and paranoid con- ditions	—	—	—	1	—	1	—	1	1	—	1	1	—	1	1
17. Epileptic psychoses	—	1	1	—	3	3	1	—	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	—	1	—	1	1	1	3	4	3	1	4	—	1	1
19. With psychopathic person- ality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	—	1	1	1	2	3	1	3	4	3	2	5	—	1	1
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	18	25	43	16	18	34	18	23	41	26	17	43	19	23	42

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
2. Senile	-	-	-	-	-	-	-	2	2	3	3	6	4	10	14
3. With cerebral arteriosclerosis	1	2	3	8	2	10	16	17	33	12	13	25	33	31	64
4. General paralysis	2	-	2	2	-	2	1	1	2	2	-	2	-	1	1
5. With cerebral syphilis	-	-	-	1	-	1	2	-	2	-	-	-	1	-	1
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	5	-	5	5	-	5	2	-	2	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	2	-	2	1	-	1	2	1	3	-	1	1
13. Manic-depressive	-	1	1	3	1	4	2	1	3	-	-	-	-	-	-
14. Involution melancholia	1	3	4	2	2	4	-	3	3	-	-	-	-	-	-
15. Dementia praecox	3	6	9	-	3	3	-	1	1	-	-	-	-	1	1
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	1	1	2	-	-	-	-	1	1	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	13	17	30	23	8	31	25	26	51	19	17	36	40	45	85

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

Psychoses	Total			Illiterate			Reads and writes			Common school			High School			College			Unascer-tained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	15	22	-	-	-	2	1	3	1	4	5	1	2	1	-	-	-	2	6	8
2. With cerebral arteriosclerosis	71	65	136	2	3	5	2	3	5	44	37	81	10	9	19	-	1	1	12	9	21
3. General paralysis	18	3	21	1	1	2	2	2	2	9	2	11	4	-	4	-	-	-	2	1	3
4. With cerebral syphilis	8	1	9	1	-	1	3	1	4	3	-	3	-	-	-	-	-	-	1	1	1
5. With Huntington's chorea	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With other brain or nervous diseases	6	6	12	1	1	2	1	-	1	3	3	6	2	2	2	1	-	-	-	-	-
8. With other diseases	26	1	27	4	4	3	3	3	3	13	-	13	2	2	3	-	-	-	4	-	4
9. Alcoholic	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	6	6	12	1	-	1	1	1	2	2	3	5	4	6	10	1	1	2	1	1	2
12. With other somatic diseases	22	14	36	-	-	-	2	1	1	15	6	21	-	-	-	1	1	2	2	-	2
13. Manic-depressive	4	12	16	-	-	-	-	-	-	2	10	12	-	-	-	1	1	2	-	1	1
14. Involution melancholia	-	62	94	5	1	6	3	6	9	34	49	83	14	30	44	5	1	6	1	7	8
15. Dementia praecox	1	3	4	-	-	-	-	-	-	-	1	1	1	2	3	-	-	-	-	-	-
16. Paranoia and paranoid conditions	3	6	9	-	-	-	-	-	-	-	3	6	2	4	6	-	-	-	-	-	-
17. Epileptic psychoses	9	7	16	1	1	1	-	-	-	6	2	8	2	2	4	-	1	1	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	10	10	20	1	2	3	2	6	8	6	6	8	-	-	-	-	-	-	1	-	1
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
22. Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	257	244	501	17	12	29	22	21	43	143	122	265	40	56	96	8	6	14	27	27	54

TABLE 10. *Population of Place of Residence of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			0-2,499			2,500-9,999			10,000-24,999			25,000-49,999			50,000-99,999			100,000-249,999			250,000-499,999			500,000+			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
1. Traumatic	2	-	2	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M. F. T.	1 - 1	
2. Senile	7	15	22	-	-	-	2	2	3	1	4	2	4	6	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
3. With cerebral arterio-sclerosis	71	65	136	4	1	5	3	5	8	18	36	13	13	26	18	19	37	14	8	22	-	-	-	-	-	-	-	-	-	
4. General paralysis	18	3	21	1	-	1	3	-	3	3	1	4	7	7	3	1	4	-	1	1	-	-	-	-	-	-	-	-	-	
5. With cerebral syphilis	8	1	9	1	-	1	-	-	1	-	1	1	-	1	4	1	5	1	-	1	-	-	-	-	-	-	-	-	-	
6. With Huntington's chorea	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases	6	6	12	-	1	1	-	-	-	2	2	2	2	2	3	1	4	1	2	3	-	-	-	-	-	-	-	-	-	
9. Alcoholic	26	1	27	-	-	-	-	-	-	4	4	11	-	11	8	-	8	2	2	-	-	-	-	-	-	-	-	-	-	
10. Due to drugs and other exogenous toxins	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12. With other somatic diseases	6	6	12	-	-	-	-	-	-	1	3	4	1	2	3	2	2	1	1	2	-	-	-	-	-	-	-	-	-	
13. Manic-depressive	22	14	36	1	-	1	1	2	3	2	4	6	9	2	11	3	6	5	3	8	-	-	-	-	-	-	-	-	-	
14. Involution melancholia	4	12	16	-	-	-	-	-	-	1	1	2	2	7	9	1	3	-	1	1	-	-	-	-	-	-	-	-	-	
15. Dementia praecox	62	94	156	6	1	7	1	7	8	12	18	30	20	29	49	14	26	40	7	10	17	-	-	-	-	-	-	-	-	
16. Paranoia and paranoid conditions	1	3	4	-	-	-	-	-	-	1	-	1	-	-	-	1	1	-	2	2	-	-	-	-	-	-	-	-	-	
17. Epileptic psychoses	3	6	9	-	2	2	-	-	-	-	-	-	2	2	4	1	2	3	-	-	-	-	-	-	-	-	-	-	-	
18. Psychoneuroses and neuroses	9	7	16	1	1	2	-	-	-	1	1	2	3	4	7	1	-	1	2	1	3	-	-	-	-	-	-	-	-	
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20. With mental deficiency	10	10	20	-	-	-	3	-	3	-	2	2	4	3	7	1	2	3	2	2	4	-	-	-	-	-	-	-	-	
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22. Without psychosis	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	257	244	501	14	6	20	11	16	27	50	50	100	76	68	144	59	61	120	39	36	75	-	-	-	-	-	-	-	-	-

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
2. Senile	7	15	22	4	7	11	3	8	11	—	—	—	—	—	—
3. With cerebral arteriosclerosis	71	65	136	27	29	56	42	36	78	—	—	—	2	—	2
4. General paralysis	18	3	21	6	1	7	12	2	14	—	—	—	—	—	—
5. With cerebral syphilis	8	1	9	4	—	4	4	1	5	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	6	6	12	3	2	5	3	4	7	—	—	—	—	—	—
9. Alcoholic	26	1	27	5	—	5	21	1	22	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—
12. With other somatic diseases	6	6	12	2	2	4	4	4	8	—	—	—	—	—	—
13. Manic-depressive	22	14	36	5	2	7	17	12	29	—	—	—	—	—	—
14. Involution melancholia	4	12	16	1	2	3	3	10	13	—	—	—	—	—	—
15. Dementia praecox	62	94	156	23	26	49	38	68	106	1	—	1	—	—	—
16. Paranoia and paranoid conditions	1	3	4	—	—	—	1	3	4	—	—	—	—	—	—
17. Epileptic psychoses	3	6	9	1	5	6	2	1	3	—	—	—	—	—	—
18. Psychoneuroses and neuroses	9	7	16	4	1	5	5	5	10	—	1	1	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	10	10	20	9	8	17	1	2	3	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
Total	257	244	501	94	86	180	160	157	317	1	1	2	2	—	2

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	—	2	2	—	2	—	—	—	—	—	—	—	—	—
2. Senile	7	15	22	2	13	15	2	—	2	2	—	2	1	2	3
3. With cerebral arteriosclerosis	71	65	136	33	59	92	23	4	27	14	1	15	1	1	2
4. General paralysis	18	3	21	3	3	6	4	—	4	11	—	11	—	—	—
5. With cerebral syphilis	8	1	9	2	1	3	5	—	5	1	—	1	—	—	—
6. With Huntington's chorea	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	6	6	12	6	3	9	—	2	2	—	—	—	—	1	1
9. Alcoholic	26	1	27	—	—	—	—	—	—	26	1	27	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	6	6	12	3	5	8	3	—	3	—	—	—	—	1	1
13. Manic-depressive	22	14	36	14	12	26	5	1	6	2	1	3	1	—	1
14. Involution melancholia	4	12	16	3	10	13	1	2	3	—	—	—	—	—	—
15. Dementia praecox	62	94	156	40	79	119	17	10	27	5	2	7	—	3	3
16. Paranoia and paranoid conditions	1	3	4	1	3	4	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	6	9	1	5	6	1	—	1	1	1	2	—	—	—
18. Psychoneuroses and neuroses	9	7	16	4	7	11	5	—	5	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	10	10	20	9	8	17	1	—	1	—	2	2	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Total	257	244	501	123	209	332	67	19	86	63	8	71	4	8	12

TABLE 14. *Psychoses of Readmissions*

	PSYCHOSES	Males	Females	Total
1. Traumatic psychoses		—	—	—
2. Senile psychoses		—	1	1
3. Psychoses with cerebral arteriosclerosis		3	5	8
4. General paralysis		4	3	7
5. Psychoses with cerebral syphilis		—	—	—
6. Psychoses with Huntington's chorea		—	—	—
7. Psychoses with brain tumor		—	—	—
8. Psychoses with other brain or nervous diseases		1	—	1
9. Alcoholic psychoses		4	—	4
10. Psychoses due to drugs and other exogenous toxins		—	—	—
11. Psychoses with pellagra		—	—	—
12. Psychoses with other somatic diseases		—	3	3
13. Manic-depressive		18	16	34
14. Involution melancholia		—	3	3
15. Dementia praecox		23	29	52
16. Paranoia and paranoid conditions		—	1	1
17. Epileptic psychoses		2	—	2
18. Psychoneuroses and neuroses		—	4	4
19. Psychoses with psychopathic personality		—	—	—
20. Psychoses with mental deficiency		—	3	3
21. Undiagnosed psychoses		—	—	—
22. Without psychosis		—	—	—
Total		55	68	123

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—
2. Senile	3	4	7	3	3	6	—	1	1
3. With cerebral arteriosclerosis	11	6	17	9	4	13	2	2	4
4. General paralysis	10	2	12	9	2	11	1	—	1
5. With cerebral syphilis	1	1	2	1	1	2	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	2	2	4	1	1	2	1	1	2
9. Alcoholic	9	1	10	9	1	10	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	1	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	4	5	9	2	5	7	2	—	2
13. Manic-depressive	18	17	35	16	16	32	2	1	3
14. Involution melancholia	—	6	6	—	5	5	—	1	1
15. Dementia praecox	39	47	86	35	43	78	4	4	8
16. Paranoia and paranoid conditions	3	1	4	3	1	4	—	—	—
17. Epileptic psychoses	1	3	4	1	3	4	—	—	—
18. Psychoneuroses and neuroses	2	5	7	2	5	7	—	—	—
19. With psychopathic personality	1	1	2	1	1	2	—	—	—
20. With mental deficiency	1	8	9	1	8	9	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—
22. Without psychosis	2	2	4	—	—	—	—	—	—
Total	107	112	219	93	100	193	12	10	22

TABLE 15A. *Hospital Residence During This Admission of First Court Admissions Discharged During 1933*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—
2. Senile	3	3	6	.50	.50	.50
3. With cerebral arteriosclerosis	11	5	16	1.09	.40	.87
4. General paralysis	8	2	10	1.33	.50	1.16
5. With cerebral syphilis	1	—	1	.50	—	.50
6. With Huntington's chorea	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—
8. With other brain or nervous diseases	2	2	4	.85	.77	.81
9. Alcoholic	7	1	8	.64	.50	.63
10. Due to drugs and other exogenous toxins	—	1	1	—	.50	.50
11. With pellagra	—	—	—	—	—	—
12. With other somatic diseases	4	4	8	.31	.50	.40
13. Manic-depressive	8	10	18	1.15	.90	1.01
14. Involution melancholia	—	4	4	—	1.25	1.25
15. Dementia praecox	27	47	74	1.13	1.59	1.43
16. Paranoia and paranoid conditions	3	—	3	1.17	—	1.17
17. Epileptic psychoses	1	2	3	.50	1.50	1.17
18. Psychoneuroses and neuroses	1	4	5	.50	.41	.43
19. With psychopathic personality	1	—	1	1.50	—	1.50
20. With mental deficiency	1	5	6	.50	1.30	1.17
21. Undiagnosed psychoses	—	—	—	—	—	—
22. Without psychoses	1	1	2	.20	.50	.35
Total	79	91	170	1.00	1.20	1.11

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded

CAUSES OF DEATH	Involution melancholia		Dementia praecox		Paranoia and paranoid conditions		Epileptic psychoses		With psychopathic personality		With mental deficiency		*All other psychoses
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>Epidemic, Endemic and Infectious Diseases</i>													
Tuberculosis of the respiratory system	-	-	-	7	8	15	-	-	-	-	3	3	-
Syphilis (non-nervous forms)	-	-	-	-	-	-	-	-	-	-	-	-	1
Purulent infection, septicaemia	-	-	-	-	1	1	-	-	-	-	-	-	-
<i>General Diseases not Included in Class I</i>													
Cancer and other malignant tumors	-	-	-	-	-	-	-	-	-	-	-	-	1
Diabetes	-	-	-	-	-	-	-	-	-	-	-	-	2
Other general diseases	-	-	-	1	-	1	-	-	-	-	-	-	-
<i>Diseases of the Nervous System</i>													
Cerebral hemorrhage, apoplexy	-	-	-	-	1	1	-	-	-	-	-	-	-
General paralysis of the insane	-	1	1	-	-	-	-	-	-	-	-	-	-
Epilepsy	-	-	-	-	-	-	-	1	1	-	-	-	-
<i>Diseases of the Circulatory System</i>													
Endocarditis and myocarditis	-	5	5	4	8	12	1	-	1	1	2	3	1
Angina pectoris	-	-	-	-	2	2	-	-	-	-	1	1	2
Other diseases of the heart	-	-	-	-	1	-	-	-	-	-	-	-	3
Arteriosclerosis	-	-	-	-	1	1	-	-	-	-	-	-	-
Other diseases of the arteries	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System</i>													
Bronchitis	-	-	-	1	-	1	-	-	-	-	-	-	-
Bronchopneumonia	-	-	-	-	-	-	-	-	-	-	1	1	4
Lobar pneumonia	-	-	-	2	3	5	-	-	-	-	2	2	1
Other diseases of the respiratory system (tuberculosis excepted)	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Diseases of the Digestive System</i>													
Diseases of the pharynx and tonsils	-	-	-	-	-	-	-	-	-	-	-	-	1
Ulcer of stomach and duodenum	1	-	1	-	-	-	-	-	-	-	-	-	-
Diarrhea and enteritis	-	-	-	-	1	1	-	-	-	-	-	-	-
Appendicitis and typhlitis	-	-	-	-	-	-	-	1	1	-	-	-	-
<i>Non-Veneral Diseases of the Genito-Urinary System and Annexa</i>													
Nephritis	-	-	-	2	-	2	-	-	-	-	-	-	1
Other diseases of genito-urinary system	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and of the Cellular Tissue</i>													
Other diseases of skin and annexa	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes</i>													
Accidental traumatism	-	-	-	1	-	1	-	-	-	-	-	-	-
Total	1	6	7	19	30	49	1	-	1	1	2	2	4
													7
													13
													20

*Includes group 22, "without psychoses"

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES														
Total			15-19 years		20-24 years		25-29 years		30-34 years		35-39 years			
M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	1												
2. Senile	11	30												
3. With cerebral arteriosclerosis	19	45												
4. General paralysis	9	11												
5. With cerebral syphilis	2	2											1	1
6. With Huntington's chorea														
7. With brain tumor														
8. With other brain or nervous diseases	1	4						1					1	1
9. Alcoholic	7	2											1	1
10. Due to drugs and other exogenous toxins		1												
11. With pellagra														
12. With other somatic diseases	3	8						1		1			1	1
13. Manic-depressive	4	4								1			1	1
14. Involution melancholia	1	6												
15. Dementia praecox	19	30						1		1			5	2
16. Paranoia and paranoid conditions		49						2		6			4	7
17. Epileptic psychoses	1	1						1						
18. Psychoneuroses and neuroses	2	4											1	1
19. With psychopathic personality		2												
20. With mental deficiency	1	3												
21. Undiagnosed psychoses	4	10											1	2
22. Without psychosis														
Total	118	249	1	3	4	1	1	2	3	5	8	1	6	7

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES	40-44 years		45-49 years		50-54 years		55-59 years		60-64 years		65-69 years		70 years and over	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	-	-	1	-	-	-	-	-	-	1	-	-	8	14
2. Senile	-	-	-	-	-	-	-	-	-	1	3	4	1	22
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	5	12	17	31	19
4. General paralysis	-	-	3	-	1	1	2	-	-	-	-	-	1	50
5. With cerebral syphilis	2	-	-	-	-	-	1	-	-	-	-	-	1	2
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	1
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	1	1	2	-	2	-	-	-	-
9. Alcoholic	-	-	-	-	1	1	1	2	1	2	3	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	1	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	2	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	1	-	1	1	1	1	2	1	1	2
13. Manic-depressive	-	-	-	-	1	-	1	2	1	1	1	1	1	1
14. Involution melancholia	-	-	-	1	-	-	2	2	1	1	2	1	1	6
15. Dementia praecox	-	-	1	1	2	4	1	8	1	1	1	1	1	1
16. Paranoia and paranoid conditions	2	2	4	1	2	-	-	-	-	1	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	1	1	-	-	-	1	-	-	-	-	1
20. With mental deficiency	-	2	-	1	1	3	-	-	-	-	-	-	-	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	2	8	5	7	12	6	7	13	12	17	29	44	88

TABL 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified with Reference to Principal Psychoses

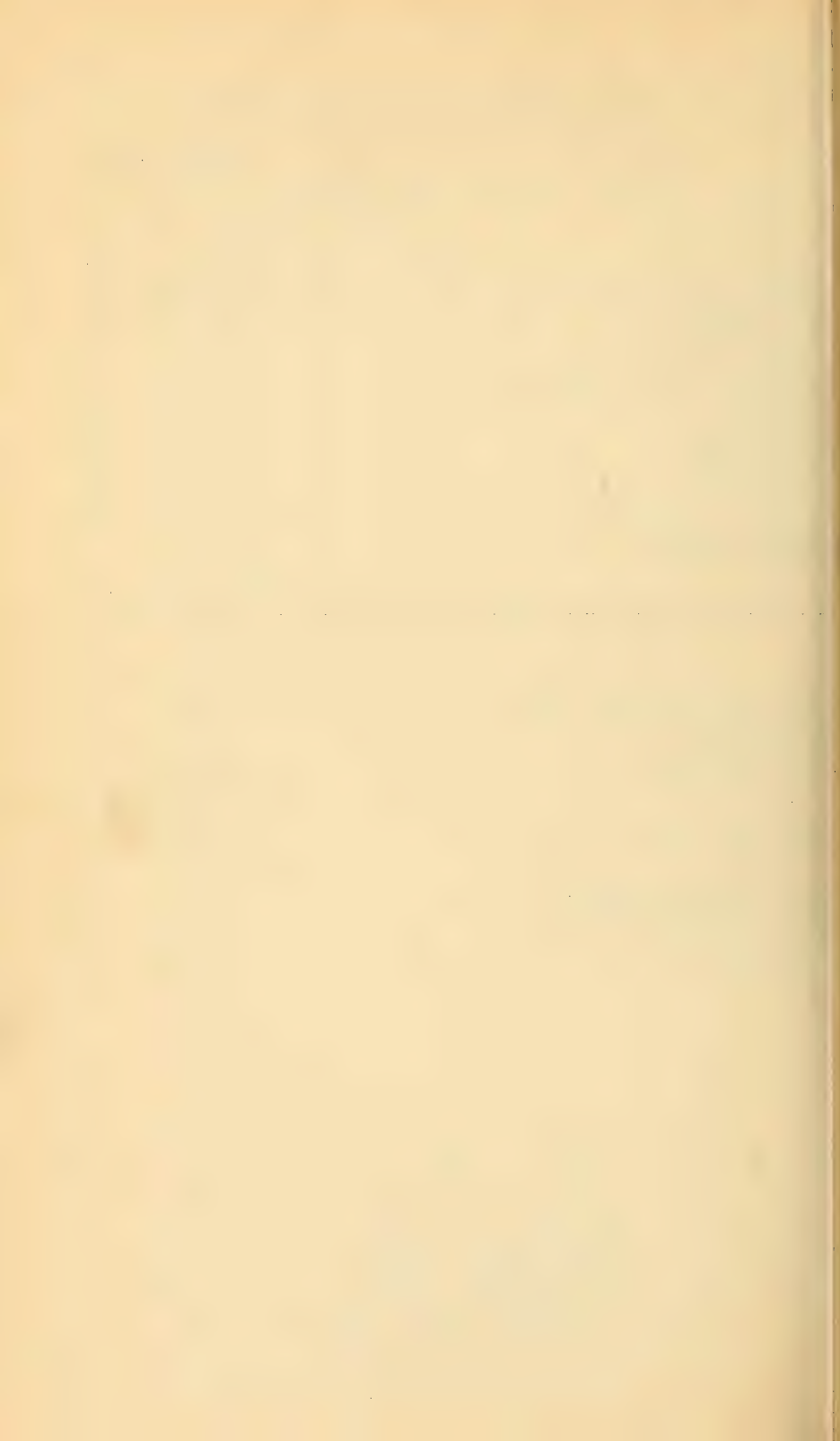
Psychoses	Total			Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	19	1	3	3	2	2	3	3	—	—	1	1	—	—
2. Senile	11	45	30	14	28	4	14	6	6	—	—	2	2	2	4
3. With cerebral arteriosclerosis	52	9	97	14	14	10	10	24	10	3	2	5	5	1	5
4. General paralysis	9	2	11	3	3	2	—	—	1	—	—	4	1	2	—
5. With cerebral syphilis	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	4	5	1	1	—	—	—	—	—	—	1	1	—	1
9. Alcoholic	7	2	9	1	1	—	—	—	1	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—
12. With other somatic diseases	3	8	11	1	3	4	—	—	1	1	1	2	3	—	—
13. Manic-depressive	4	4	8	—	—	—	—	—	—	—	—	2	—	—	—
14. Involution melancholia	1	6	7	—	1	1	—	—	—	—	—	1	1	1	1
15. Dementia praecox	19	30	49	1	5	6	2	1	3	—	1	2	2	4	7
16. Paranoia and paranoid conditions	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	2	2	4	—	—	—	—	—	—	—	—	—	—	1	1
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	4	6	10	1	1	1	—	—	—	—	—	2	2	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	118	131	249	24	24	48	20	19	39	12	13	25	18	26	44
										5	6	11	10	11	21

TABLE 19. *Average Length of Hospital Stay During the Present Admission of All Cases in Residence on September 30, 1933*

PSYCHOSES	Number			Average Length of Residence in Years		
	M.	F.	T.	M.	F.	T.
1. Traumatic	8	—	8	5.62	—	5.62
2. Senile	17	36	53	4.14	4.24	4.21
3. With cerebral arteriosclerosis	82	81	163	2.38	3.46	2.91
4. General paralysis	62	19	81	4.18	6.65	4.76
5. With cerebral syphilis	11	4	15	3.66	8.49	4.95
6. With Huntington's chorea	2	2	4	10.00	1.98	5.99
7. With brain tumor	—	—	—	—	—	—
8. With other brain or nervous diseases	21	16	37	4.35	5.31	4.76
9. Alcoholic	82	14	96	7.09	9.85	7.49
10. Due to drugs and other exogenous toxins	—	1	1	—	22.50	22.50
11. With pellagra	—	—	—	—	—	—
12. With other somatic diseases	6	8	14	5.98	6.11	6.06
13. Manic-depressive	79	117	196	5.69	7.74	6.91
14. Involution melancholia	10	41	51	4.69	5.00	4.94
15. Dementia praecox	487	610	1,097	9.03	9.61	9.35
16. Paranoia and paranoid conditions	7	22	29	6.91	10.95	9.98
17. Epileptic psychoses	12	13	25	3.82	6.73	5.33
18. Psychoneuroses and neuroses	12	17	29	3.65	4.07	3.90
19. With psychopathic personality	8	4	12	6.87	12.50	8.75
20. With mental deficiency	85	126	211	8.84	7.64	8.12
21. Undiagnosed psychoses	—	—	—	—	—	—
22. Without psychoses	7	4	11	.89	.96	.91
Total	998	1,136	2,134	7.20	8.20	7.73

TABLE 20. *Family Care Department*

	M.	F.	T.
Remaining in family care October 1, 1932	—	9	9
On Visit from family care October 1, 1932	—	—	—
Admitted during year	—	—	—
Whole number of cases within the year	—	9	9
Dismissed within the year	—	—	—
Returned to institution	—	—	—
Discharged	—	1	1
Died	—	—	—
On Visit	—	—	—
Remaining in family care September 30, 1933	—	8	8
Supported by State	—	7	7
Private	—	1	1
Self-supporting	—	—	—
Number of different persons within the year	—	—	—
Number of different persons dismissed	—	—	—
Number of different persons admitted	—	—	—
Average daily number in family care during the year	—	8.1	8.1
Supported by State	—	7.1	7.1
Private	—	1.0	1.0
Self-supporting	—	—	—



The Commonwealth of Massachusetts

57th

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

Mass: DANVERS STATE HOSPITAL at Danvers (Ch)

FOR THE

YEAR ENDING NOVEMBER 30,

1934

DEPARTMENT OF MENTAL DISEASES



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DANVERS STATE HOSPITAL

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TRUSTEES' REPORT

To His Excellency, the Governor and the Honorable Council:

The Trustees of the Danvers State Hospital respectfully offer the following annual report, including the report received by us from the Superintendent and the reports received by him from the various departments:

The Board has continued to hold monthly meetings at the hospital, for conference with the Superintendent, concerning the development of the institution and the upkeep of the plant.

During the present year there have been important changes in the institution, as follows:

New parking spaces for the large number of automobiles have been provided so that there is much less traffic congestion on busy visitings days.

At Grove Hall it was no longer necessary to continue the kitchen and dining room service as these patients and employees could well be cared for at the institutional cafeteria. This gave us at once room for twenty-eight more patients and later we expect to add seventeen more beds. Plans are underway to reconstruct

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1934
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the building, giving ample day space and providing further for more patients, as mentioned above.

A new condenser has been placed in operation at the Power House. Heretofore we have had serious interruption in our refrigeration because the outside condenser was apt to freeze in very cold weather. This will do away with any likelihood of freezing hereafter and we will use much less water.

The greater part of Middleton Colony has been re-shingled with fireproof material and this, of course, will be of value, not only in the event of fire, but also it provides better insulation, maintaining the warmth of the building, especially in cold weather.

There are at the present time the following P.W.A. Projects which will correct essential needs:

The removal of all obsolete wiring and replacing this with modern wiring in conduit. All parts of the institution will be cared for, excepting the Colony, and we hope to get this included a little later.

The removal of the old wooden staircases on the wards and replacing these with steel and cement staircases.

The erection of a new water tank giving greater pressure and sustaining a proper pressure for the sprinkler system, which is also to be modernized.

The increase in the size of the hydrotherapy buildings is an admirable improvement. It gives us ample opportunity for the special treatments and the necessary cleansing baths.

By reconstruction of the barn better conditions have been made for the herd and other measures adopted have noticeably increased our milk supply.

On ward J-2 a small hydrotherapeutical unit has been set up for those over-active patients who could not under usual conditions be brought to the hydrotherapy buildings.

The following are needs of the institution which we should like to respectfully suggest:

A new building on both the male and female sections and connected with the present buildings to better provide for the infirm and convalescent patients, these buildings to be of approximately the same size and shape as our present ward buildings and to house approximately two hundred more patients on each side. This will aid greatly in relieving the present congestion on certain wards.

A new tubercular building, which will accommodate both male and female patients.

The power house should be enlarged and equipment added to care for the extra load. At the present time the efficiency of the Power House is greatly taxed and cannot be expected to care for any expansion. We also believe that it would be a good plan to have a connection with the Danvers electric power line. It would seem that we could economically use, during certain periods of the year, the overhead charge which would be necessary in completing this connection, and that we would have further, an auxiliary line in the event of a breakdown in our own Power House.

The chapel should be enlarged to accommodate three times the number of patients that it now will care for. This will mean making room for employees now quartered in the Rear Center section in order to follow through with this contemplated reconstruction.

We have long felt that the Danvers State Hospital has now reached a population so large than an acute reception building would be highly advisable. This building would provide facilities for the care of acute cases and we would expect that many cases given intensive treatment over a short time, separated from the more chronic cases, would have a better opportunity to get well. This feature would, of course, again be a splendid opportunity to relieve the present congestion.

Respectfully submitted,

S. HERBERT WILKINS, *Chairman*
JAMES F. INGRAHAM
DR. ARTHUR C. NASON

WILLIAM W. LAWS,
MRS. ANNA P. MARSH
MRS. ANNIE T. FLAGG

Trustees.

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-seventh annual report of the Superintendent for the fiscal year ending November 30, 1934, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1934.

MOVEMENT OF POPULATION

The hospital year opened on October 1, 1933 with 2,144 patients in the hospital, 349 on visit, 6 on escape, and 8 in family care, making a total of 2,507.

The year ended on September 30, 1934 with 2,194 patients in the hospitals, 282 on visit, 12 on escape and 9 in family care, making a total of 2,497.

The number of admissions during the year: 521 male; 392 female; total, 913; an increase of 40 over the preceding year.

There were 6 voluntary patients admitted during the past year; 35 patients were transferred from other institutions; 328 men and 217 women were admitted on temporary care papers and 81 men and 35 women were admitted on thirty-five day observation papers.

FIRST ADMISSIONS

There were 662 patients admitted to this or any hospital for the first time, which is a decrease of 14 over the preceding year.

DAILY POPULATION

The total average population for the year ending September 30, 1934 was 2,161, an increase of 57 over last year. There were 3,415 patients treated during the year as compared with 3,216 in 1933.

Two hundred and seventy-five (275) patients died in the institution during the year, which is 16 more than the preceding year.

DISMISSALS

Six hundred and forty-three (643) patients were discharged from the institution during the past year; 400 men and 243 women. Classified as to their condition on discharge; 44 recovered; 318 as improved; 38 as unimproved; and 146 as without psychosis. The figures for the preceding year were as follows: 31 as recovered; 255 as improved; 38 as unimproved; and 110 as without psychosis.

On September 30, 1934 there were 303 patients on trial visit in care of friends or under hospital supervision as compared with 368 in 1933.

Since the organization of the hospital, 33,066 patients have been admitted and 30,669 discharged.

MEDICAL ADMINISTRATION

During the year the following changes in the personnel of the staff occurred:

Appointments

Dr. Leo Maletz, appointed assistant physician January 1, 1934.

Dr. George W. Wheeler, appointed dentist January 12, 1934.

Dr. Salvador Jacobs, appointed assistant physician May 7, 1934.

Dr. Lois E. Taylor, appointed assistant physician, September 14, 1934.

Dr. William Charles Inman, promoted from position of assistant physician to senior physician October 15, 1934.

Dr. Melvin Goodman, appointed assistant physician October 30, 1934.

Resignations

Dr. H. Archer Berman, resigned December 31, 1933.

Dr. Guy C. Randall, resigned April 15, 1934 to accept position of Assistant Superintendent at Northampton State Hospital.

Dr. Henry A. Tadgell, resigned September 29, 1934 to accept position of Assistant Superintendent at Wrentham State School.

Clinical Assistants

Samuel R. Berenberg; Frances Pappas; Samuel Spinner; H. Parker Wetherbee; Raymond H. Spooner; A. Warren Stearns, Jr.

MEDICAL SERVICE

During the past year the medical service has continued to function efficiently although several changes have been made in the staff due to the promotion of several of the physicians. The usual daily staff conferences have been held for the purpose of discussing diagnosis, treatment, discharge and visit of patients. Ward rounds have been continued daily as well as weekly night trips so that all patients are seen at frequent intervals. A few cases of bacillary dysentery (His-Y type) and Vincent's Angina during the year has made it necessary to segregate groups of patients at times. It was due to the early recognition and careful segregation of these cases that serious epidemics were prevented.

Besides the usual physical examination of nurses, a periodical x-ray examination of chests was instituted during the year. It was felt that by this careful procedure, serious illness, which would prevent a nurse from completing her course of training, would be eliminated. Dr. Hubert A. Boyle of the Essex County Sanatorium has rendered very valuable assistance in the diagnosis of early cases of tuberculosis as well as in the interpretation of x-ray plates.

Because of the many increasing requests for lectures to nurses a course of 16 lectures covering the various phases of psychiatry was organized by the Assistant Superintendent, and the first lecture was given in October to a group of about 150 nurses. This group was represented by the Beverly Hospital, Salem Hospital, Essex County Sanatorium, J. B. Thomas Hospital (Peabody), Union Hospital (Lynn), Lawrence General Hospital, Malden Hospital, Anna Jacques Hospital (Newburyport), and the New England Sanitarium (Melrose). The usual instruction to the nurses in the training school has been given as well as instruction in psychiatry to four classes of affiliating nurses, two classes of Occupational Therapy students, and sixteen fourth year medical students from Tufts Medical School, who spend a month each at the hospital. A great many lectures and talks have been given by the Superintendent and other staff members throughout the year to various clubs, lodges, parent-teachers' associations and societies.

Our consulting physicians and surgeons have continued to render very efficient service to the hospital throughout the year and have willingly given up a great deal of their valuable time in assisting us with the special problems which presented themselves from time to time. The following report would indicate the amount of operative procedures done by them:

Appendectomies, 2; applications of plaster cast to fractures, 6; bimanual vaginal examination, 1; cholecystectomy, 1; cystotomy (suprapubic) with removal of stone, 1; dilatation and curettage, 2; enucleation of eye (left), 1; excision of furuncle on chin, 1; excision of submaxillary abscess, 1; extraction of teeth, 1; gastroenterostomy, 1; herniotomy (bilateral), 1; hysterectomy (sub-total), 2; incision of carbuncle, 1; incision and drainage, 1; incision and drainage of plantar abscess, 1; incision and drainage of breast abscess, 1; incision and drainage of submaxillary abscess, 1; laparotomy (exploratory), 4; mastectomy, 1; mastoidectomy, 2; oophorectomy (right), 1; open reduction of fractured patella, 1; removal adenocarcinoma of breast, 1; removal of ovarian cyst, 1; salpingectomy (right), 1; tonsils and adenoids, 4.

HYDROTHERAPY DEPARTMENT

This department has continued to function actively up until the 15th of September, at which time both hydrotherapy buildings were closed because of reconstruction work which will enlarge and modernize the suites. For many years the prescribing of hydrotherapy has been limited owing to the inadequacy and antiquity of the apparatus and once these new suites are available for use they will contain the most modern equipment. This equipment will make it possible to prescribe hydrotherapy without restriction and should greatly increase the number of patients which are returned to the community each year.

In spite of the closure of the hydrotherapy buildings the application of the wet sheet pack was prescribed for 752 patients. This represents a total of 8,836 packs for 52,293 hours of treatment. In the continuous bath 300 patients were treated for a period of 10,734 hours of 2,863 individual baths. In addition to these 6,240 tonic bath treatments were given to 534 patients.

As in former years, the hydrotherapists spend much of their time instructing each new nurse and attendant in hydrotherapeutic measures so that they all have an understanding of and practical experience with hydrotherapeutic procedures before they are permitted to administer any form of treatment.

PHYSIOTHERAPY DEPARTMENT

The physiotherapy department has shown a large increase in the number of treatments given during the past year. The work is in charge of a trained physiotherapist who is assisted by a student from the nursing service. The physiotherapist has given lectures and demonstrations to the nurses, with special emphasis on massage.

During the year ending November 30, 1934, a total of 12,434 treatments have been given. They are classified as follows: Infra red, 7,010; Diathermy, 907; Sine wave, 2,012; Air cooled ultra violet, 761; water cooled ultra violet, 540; auto condensation, 104; massage, 1,093; electro-desiccation, 7; making a total of 12,434 treatments.

PERSONAL HYGIENE DEPARTMENT

This year the amount of work accomplished by this department has been reduced because of sickness and necessity of having a new worker. The work has been done by a trained personal hygienist assisted by patients. Especial attention has been given to the untidy and indifferent patient with gratifying results.

During the year ending November 30, 1934, the following treatments have been given. Hair cuts, 3,261; shampoo, 1,572; manicures, 1,472; waves, 1,568; massage, 174; scalp treatments, 234; making a total of 8,281 treatments.

VENEREAL CLINIC

The treatment of cases suffering from neurosyphilis is a most important procedure and during the year a large number of cases were treated. We have continued to use the various arsenical preparations, supplemented with mercury and bismuth salts, but the most gratifying results were brought about with tryparsamide and malarial therapy, which have been given to selected cases. Because of the large number of cases treated each week the practice of administering treatment to men and women on different days has been continued. 1,254 Wassermann Hinton examinations were made for us by the State Department of Public Health — 1,033 blood serum and 221 cerebrospinal fluid.

DENTAL SERVICE

The service of this department continues to be an important one and, as in former years, careful examinations of all newly admitted cases, as well as periodical examinations of the continued cases, have been completed. Any prophylactic work which would benefit the patient has been done. We again have a dentist, who devotes his entire time to this work, as well as a dental hygienist. During the past year the usual amount of work, represented by the following table, was accomplished:

December 1, 1933 to December 1, 1934

Cleanings	645
Extractions	1,189

Fillings: Silver amalgam, 542; porcelain, 174; zinc oxide and eugenol, 141; kryptex, 24; gutta-percha, 2; red copper cement, 1; cement, 2; copper amalgam, 1; total, 887.

Prosthetics: Complete full plates, 26; completed partial plates, 3; complete bridge, 4; porcelain jacket, 1; Logan jacket, 1; repair full plate, 7; repair partial plate, 4; relined upper plate, 1; miscellaneous corrections, 107.

Oral treatments in general: Vincent infections, canker sores, gingivitis, abscesses, total, 823.

Miscellaneous: referred to x-ray, 32; new patients examined, 676; re-examinations, 772; total number of patients treated, 3,042; Sent to Danvers for extraction, 12; Lectures, 7.

PSYCHIATRIC CLINICS

These out-patients clinics have continued to function actively throughout the year and most of the patients on visit have been interviewed at regular intervals. The clinics have served the communities of Gloucester, Haverhill, Lawrence, Lynn, Malden, Newburyport and Salem. There were very few cases referred by physicians doing general practice during the year, and now that the service of another physician has been added, it is hoped that the physicians will refer more cases during the coming year.

ADULT MENTAL HYGIENE CLINIC

The clinic continues to operate once a week in the Out-Patient Department of the Lynn Hospital. No changes were made during the past year in the personnel of the clinic. Students from Tufts College Medical School, assigned to the hospital have been attending the clinic regularly. One new case was seen on each clinic day and a total of 78 patients were examined and treated during the 42 clinic meetings. An average of 7 patients were seen at each clinic. There was a total of 309 visits at the clinic during the year.

A study of the various conditions treated since the opening of the clinic in 1929 is of interest and shows that 50.7% of the patients were diagnosed psychoneurosis; 6.6% various physical conditions, arteriosclerosis, epidemic encephalitis, multiple sclerosis, etc.; 4.4% manic-depressive and involution melancholia; 4.2% neurotic traits; 4.2% behavior problem; 4% mental deficiency; 3.4% neurotic adolescents; 3.3% dementia praecox; 2.2% situational reaction; 2% epilepsy; 2% psychopathic personality.

The period which was the subject of this study covers the years of the depression and the statistical study of the factors involved shows that economic stress was a factor of more or less importance in 43.6% of the cases. The next factor in importance is the home environment. The over-solicitous and over-protective attitude of the parents and the contagion of some neurotic or unstable person in the home accounted for 24.4% of the total cases. Parental friction and discord including separation and divorce were found to exist in 14% of the patients. An uncongenial home environment was found in 6%. Marital maladjustment in 16%. Worry over a variety of situations not included above existed in 14%. Hereditary factors existed in 7% of the total number. Strain of responsibilities and hardships existed in 6%; sexual factors in 5%. Psychic trauma as a precipitating cause in 2%, and war experience in veterans, 2%. Alcoholism was negligible as a factor in the type of cases attending the clinic and accounted for only 1%. In some cases there is one or more than one of the above-mentioned factors.

X-RAY DEPARTMENT AND LABORATORY SERVICE

The following is a record of the work done in the x-ray and clinical laboratories for the fiscal year of 1934:

Autopsies, 53; bacterial cultures, 52; basal metabolic rate determinations, 16, Blood chemistry: — blood sugar, 17; N.P.N., 7.

Blood examinations: — Red blood cell counts, 1,041; white blood cell counts, 1,096; differential counts, 155; hemoglobin determinations, 1,041; coagulation time, 9; bleeding time, 9.

Gynecological smears, 174.

Spinal fluids: — gold sols, 195; cell counts, 6.

Sputum examinations, 59; urinalyses, 4,475; x-ray plates, taken, 1,125.

Saline solution and distilled water for surgical service — about 250 liters.

OCCUPATIONAL THERAPY DEPARTMENT

The work of this Department is divided into three groups: (A.) Occupational Therapy, which includes craft classes and aiding in activities carried on by the Department such as bookbinding, printing and delivering of newspaper, etc. (B.) Recreational Therapy. (C.) Physical Education.

Occupational Therapy. This year we have carried an average of nine classes for men and women, which includes two work-shop groups, two groups in the T. B. Annexes and five on the wards. Types of patients reached in these treatment groups include admissions, chronic, acute and tubercular.

There have been a total of 450 patients under treatment with an average of 196 per month. Of the total number, 76 have gone into hospital industry and 37 have gone out on indefinite visit. Our previous system of monthly record charts submitted to the medical staff has been continued. Notes on special cases are filed in the Department, and semi-annual notes are kept in the medical case history.

A summary of crafts finished in classes is as follows: Woven, braid-weave, and hooked rugs; woven, embroidered, and block-printed runners; pillows; cafeteria doilies; wooden, aluminum and copper book-ends; waste baskets; high and low relief carved panels; chipped carved boxes; knotted belts; curtain pulls and key-cords; knitted couch covers; wash cloths; metal desk sets; wooden flower pot holders; bulletin boards; doorstops; hat stands; chair sets; footstools; leather purses; mats and pillows; block-print and crayon wall hangings; cribbage boards. In addition, curtain and day-pillow sets are made up for the wards. No attempt is made to complete work as orders, but to create an interest, possibly a hobby, on the part of the patient.

In connection with the Shop classes a flower garden is maintained. Cuttings supply the shop, library and bookbinding room.

Other activities which come under this heading, and are an outgrowth of work begun in classes are music, art and educational classes. Due to the individual attention and time required, not a great deal has been done. Supervised piano playing has been carried on with several patients with interesting results. Drawing lessons have been conducted with groups and individual patients. Designs and illustrations are encouraged for the hospital paper. In the spring an art exhibit was held in the library, which included some 80 pieces done by patients and employees. These represented varying techniques and mediums. University Extension Courses, under the Correspondence Division, have offered a group of subjects free of charge to patients. At the present writing six persons have signed for these courses representing English, Salesmanship, Bookkeeping, Shorthand and Auto Mechanics.

Recreational Therapy. 1. Community Sings. This year the Sings were carried on bi-weekly over a period of ten weeks during the summer months. Special features were planned for each meeting and included instrumental and vocal solos, movies of July 4th Field Day, silhouette cutting, etc. Led by two volunteer song leaders and a five-piece patient orchestra, the group averaged around 100 men and women. New song books were purchased and offered a good variety of selections.

2. Evening Ward Groups during the winter months have been conducted by student therapists. These have included simple dramatics, in the form of charades, one-act plays, spelling Bees, competitive games, cards, music and a Glee Club. Song books containing part-songs for male voices were secured and used.

3. O. T. Garret Club has not been very active this year. A puppet project was worked out and produced by a small group of our men. An exhibit of foreign travel posters was displayed at the same time. The department wishes to thank all travel agencies which contributed to our collection to be used as decorations in recreation rooms throughout the hospital.

4. Hill Topics, the hospital newspaper, has expanded into a two-sheet publication and is published every two weeks, about 400 copies being printed. During the past year new features introduced have been a Forecast, Doctor's Column and Free Speech Column. Patients continue to offer contributions and help in the actual printing and delivering of the paper.

5. The library has moved into larger quarters during the year. This has proved to be of great benefit as the room now contains tables and chairs used as a reading center. Furnishings for the room in the form of pillows, curtains, wall hangings and furniture painting have been done by patients as well as a catalogue file, book-ends, magazine rack and a large standing bulletin board which carries new reading lists, book reviews and items to stimulate a reading interest. A total of 920 books have been donated during the year. We wish to take this opportunity to express our appreciation of the interest shown. The library carries subscriptions to five magazines — Saturday Evening Post, American, Literary Digest, Atlantic Monthly and National Geographic. In addition, we wish to express our thanks for the gift subscriptions which are Saturday Evening Post, American, Woman's

World and Hunting and Fishing. The Peabody Institute Library has continued to accommodate us with a loan of books each month. These include all types of reading, as well as foreign books for our foreign reading patients.

Circulation statistics for the year show an average of 672 books checked out monthly of which there is an average of 59 non-fiction. Magazine average is 274 monthly.

Our bookbinding department has become an important part of the work. We have moved into bright quarters and carry on re-binding and repairing of books, as well as cataloging and marking books in preparation for the shelves. This work has been done with waste materials at hand.

6. Special parties are arranged by the Department and are given at holiday times for as many patients as can attend. Smaller functions are given from time to time for members of our classes only. An outstanding event of the past year was the 1934 Minstrel Show in which some 50 patients participated in the three performances.

During the year the department has taken over the handling of outside entertainments. We acknowledge the interest shown and time given on the parts of the following: Mr. Gilbert Lame; All Saint's Mission, Lynn; Mr. George Libby; Mrs. Hugh Walker; North Shore Conjuror's Club; Mrs. Ethel Robinson; Mr. Peter Spence; Mr. Chester Ferris; Mr. John Pratt Whitman; Ladies' Auxiliary Italian War Veterans; Mr. Henry Woelber; Mr. Frank Remick; Mr. Darius A. Ives; Tapleyville Improvement Society; East Lynn O. F. 3rd Degree Choir; Mr. Tom Senna; Rev. Remi B. Schuver; Mr. Angus Murdock; and Mr. Emil Fuchs and Mr. Edward Collins of the Boston Baseball Clubs.

Physical Education. Classes are grouped according to patients' conditions — deteriorated, stuporous, excited and improved. There have been a total of approximately 240 a year and an average of 160 per month. Classes are held in the chapel, on the wards and in the back yards.

Improved classes include marching, day's order followed by free play such as volley ball, basketball, indoor and outdoor tennis, hiking, dancing. A tumbling team has been organized with improved men. Six mattresses have been donated to the class and more work is to be done along this line during the winter. Permission has been given to flood the tennis court where skating for men and women is to be conducted. To date, five pair of skates have been donated for this purpose.

Work with deteriorated groups includes simple marching, day's order, simple relay games, jump rope, dancing. Special periods of music have been tried with disturbed patients and proved very quieting.

During summer and fall months, special groups of patients have been taken hiking about the grounds.

The annual Topsfield Fair booth which was prepared by the department represented practically all the treatment departments in the hospital. A series of placards, supplemented with pictures or exhibits, explained each activity. Those included were hydrotherapy, physiotherapy, beauty parlor, industrial therapy, occupational therapy, recreational therapy, library and physical education.

There have been in our training course this past year, two groups of students numbering two and four respectively, from the Boston School of Occupational Therapy. Each group spent six months in psychiatric instruction and practical experience.

A 21-hour course has been given each three months to the affiliating nurses at the hospital. Theory, observation and craft analysis and technique have comprised the course. The senior nurses of the Hospital Training School received a similar course of instruction.

The only change in personnel was the vacancy created by Miss Elizabeth Selfridge who left the department to accept a position in another hospital. Her place was filled by Miss Polly K. Francis.

CONSTRUCTION REPORT

The following report shows the accomplishments of this department during the past year:

Carpenters — Building box stalls in ox barn. Covering hennery roofs with roofing felt. Finishing garage for Cottage No. 2. Cleaning roofs on main buildings

and slating. Fitting up clothes room on ward D-1. Making shutters for greenhouse cold frames. Building stone drags and repairs on cards and wagons, in the shop. Hanging doors at transformer houses. Repairs on floors and boxstalls in barn. General repairs on laundry elevator. Building smoking room for patients. Making 500 feet 20 inch cement pipe. Changes and repairs on refrigerators in kitchen. Remodelling of Rear Center. Making desks and chairs in the shop. Putting continuous baths in J-2 Annex. Changing doors and making clothes room at Grove Hall. Fitting up linen room in Rear Center. Cutting doorway and fitting up room in Cottage No. 8. Repairs on basement rooms at Male Home. Repairs on meat tracks at Service Building. Changing and hanging coils in I-3 sun parlor. Making feeders and general repairs at hennerly. Making and putting feeding troughs in piggery. Changing and putting in new windows in Rear Center. Shingling and repairs on Male and Female Summer Houses. Taking out and putting in scales and platform at barn. Changing bulkheads at Rear Center. Taking off and putting on screens and storm windows at Main building and cottages. Building radiator boxes in chapel. Building of cart bodies in the shop. General repairs at male and female tubercular cottages. General repairs for painting at Cottage No. 5. Shingling roof and making general repairs at Cottage No. 3. New blinds and repairs for painting at Cottage No. 4. Finishing of offices in Rear Center. Building forms and cementing at coal trestle. Shingling walls of buildings at Middleton Colony. Changing over Grove Hall for patients. General work for industrial shop. Building of key cabinet. Building of forms for manure pit. Making tables and general repairs at slaughter house. Removing forms at coal trestle. Making of storm windows. Making mouldings for Middleton Colony.

Painters: Glass set for year: 1,513 lights. The following wards were painted inside: B-3, I-3, A-3, B-2. Partial painting done on most of the wards. New Rear Center offices painted. Painted outside of Service Building. Painted outside of Power House. Painted both cow barns inside. Trimmings of barn painted outside. Garage at Cottage No. 2 painted. Four rooms painted in Male Home. Continuous baths painted on ward J-2. Finishing of desks, chairs and furniture in the shop. Cottages No. 2 and No. 3 painted outside. Cottages No. 4 and No. 5 painted outside. Painting outside of male and female tubercular cottages. Painting of male and female summer houses. Painting of maternity barn. Painting iron fence around reservoir. Painting and papering Cottages No. 4, 5, and 9.

Masons — Building two brick transformer houses. Building brick room in sub-basement for acids. Building walls and plastering new offices in Rear Center. Changing Rear Center bulkheads. Pouring and finishing cement floors in Rear Center. New waterproof floors for J-2 continuous baths. New cement troughs at cow barns and piggery. Pouring and finishing cement coal trestle at power house. Brick work and cement in machine shop. General repairs at dairy. Pouring and finishing cement at manure pit.

Blacksmith — Shoeing of horses. Building stone drags. Repairs on carts and wagons. Repairs on farm machinery. Ironing of new cart bodies. Sharpening of drills and pickaxes. Repairs on iron grills and rails. Making of pipe hangers for machinists and plumbers. Making of metal tubs. Repairs on meat tracks, also latches and door fasteners. Repairs on grates and bars at power house. Repairs on trucks and tractors. General jobbing.

ENGINEER'S REPORT

A new continuous bath room was designed and installed in J-2 Annex. It consists of five bath tubs and one shower bath, all of which were previously used in other parts of the hospital, except the shower.

Two transforming stations were designed and installed, one at the stone crusher and one at the hennerly. All of the connections were made to primary and secondary underground cables, thus eliminating all pole lines for power and light.

A system of cow drinking cups and a heating system was designed and installed in the ox barn, while in the henhouse a system of twelve electric water pail heaters was installed.

The new offices in the E building were equipped with a heating system and electric wiring for light, telephone, and electric clocks were installed.

Because of the inadequate heating system in I-3 sun parlor a large heating coil was designed and installed as a replacement unit.

In the garage in the rear of Cottage No. 2 lighting and heating units were installed.

At the laundry a new and larger capacity wiring system was designed and installed for the ironing room and a new two-wire D. C. line leading from the machine shop to the power cabinet in the ironing room was installed.

A new underground steam line was installed from the female tubercular pavillion to the surgical room.

Because of the temporary closing of the hydrotherapy buildings it has been necessary to care for the general bathing elsewhere. In order to care for this problem temporary shower baths were installed in wards A-4, J-4, B-2, B-3 and I-3.

Refractory lined doors and frames were designed and installed for the gas fired retorts on the bakery ovens. This has greatly reduced the air infiltration as well as the consumption of gas.

FARM REPORT

Although the summer was marked by a drought of most unusual severity the yield of farm produce was not reduced to any great extent. The potato crop was a notable exception, however, and suffered severely from the lack of moisture. The hay crop and vegetables were better than in some previous seasons and ensilage corn slightly less. Yields of various products were: Potatoes: 3,300 bushels; hay, 300 tons; green feed, 150 tons; mangels, 50 tons; pork, 81,378 lbs.; beef, 14,798 lbs.; veal, 2,152 lbs.; fowl, 6,327 lbs.; broilers, 4,393 lbs.; eggs, 16,238 dozen; milk, 394,200 quarts.

The garden, which seemed to withstand the ravages of the drought better than the field crops, produced about two thousand dollars worth of vegetables more than the previous season.

During the past year the roads both gravel and tarred have been kept up in the usual good condition. The gravel roads have been thoroughly scrapped at regular intervals, and any breaks or holes appearing in the tarred surfaces have been promptly filled with crushed stone and asphalt. These practices have resulted in very good highways, maintained at a minimum of expense. No new roads and no new walks were built and no walks repaired.

An extensive area has been set apart as a parking place in the rear of the female T. B. Building, and this is now being graded to road level. This area will later be surfaced with crushed rock and will relieve the annoying congestion which now exists on the driveways, due to parking, both by visitors and employees. Two other parking spaces have also been finished this year; one, capable of caring for fifty cars, in front of the male attendants home, the other, for twenty cars, in the rear of Farm Hall.

Both have been dug to a depth of twenty-one inches, filled with field stone and surfaced with crushed rock, and they furnish an adequate answer to the demand for conveniently located parking space.

By an agreement with the authorities of the town of Middleton a number of large trees standing on Gregory Street are now being removed and an equal number of smaller trees are to be planted nearer to the street where they will not obstruct the cultivation of the fields as they do now. A good start has been made upon this project and it is hoped that the coming winter may witness its completion.

Several hundred small conifers have been planted along the Ipswich River road, which will in a short time hide the bare, unsightly ledges which render this part of the farm wholly unfitted for agricultural purposes. As the ledges are too extensive to be removed by blasting it was deemed best to hide them as far as possible in this manner. A considerable number of spruce and pine trees have been planted on "The Island" along the Ipswich river.

The abandoned gravel pit near the engineer's house at Middleton Colony is almost filled with stones, stumps and boulders, and this winter will probably see its completion. It will then be covered with loam and seeded to grass, thereby adding greatly to the appearance of the grounds on this part of the farm.

The sand pit alongside the abandoned Boston and Maine Railway track was planted this year for the first time since it was leveled. A fair yield of string beans

was harvested therefrom and the crops will doubtless become larger from year to year as cultivation and successive fertilizations add to the store of available plant food.

The work on the abandoned filter beds has been carried forward vigorously during the past year. A large group of disturbed patients has leveled a considerable area of bankings as well as broken out much of the concrete beds in which the drain tile was laid. During the past year this undertaking has furnished the teams with a great deal of work and it will, without doubt, do so again this year.

One hundred and twenty-two feet of 22 inch cement pipe, of our own manufacture, were laid in the brook at the end of the filter beds. This finishes the piping of the brook from a point near the stone crusher to as near the Ipswich River as was thought feasible.

The causeway through which the sewage flowed from the Middleton Colony to the filter beds was removed. This necessitated the blasting and hauling away of a large number of rocks, but this work has eliminated one of the most unkempt corners of the farm, and will, it is hoped, greatly hasten the drying out of the adjoining field. In addition a considerable amount of cast iron soil pipe, 7 inches in diameter, was salvaged.

The ditch dug for the laying of the electric light cable to Middleton Colony was filled in, all stones carefully removed, and grass seed was then sown, so that in a year or two this slash across the fields will be invisible.

Thirty rods of woven wire fence was erected around the stone crusher and continued along the road to join the fence erected last year. This fence was erected on large substantial posts and should give many years of service.

The large open ditch leading from the piggery through the meadow to the Ipswich River was, as usual, cleaned of the year's accumulation of mud, decayed vegetable matter, and debris of various sorts.

A triangular piece of ground, about $\frac{1}{2}$ acre, lying beyond the stone crusher was cleared, plowed, and will be available for planting in the spring of 1935. The clearing up of this corner squares up field No. 28 and adds to the appearance of the farm.

The section of wild land, about $1\frac{1}{2}$ acres, back of the cemetery of Middleton Colony was this year planted for the first time. It has taken much labor of teams, tractors and men to bring this part of the farm under the plow, but the yield of rutabaga turnips harvested this year demonstrates that this will be a valuable addition to the arable lands.

A concrete manure pit has been constructed in the rear of the salvage yard. This will retain the liquids which in the past have been allowed to drain away, making the whole vicinity unsightly and obnoxious. The increased amount of plant food obtained by impounding these liquids will no doubt pay many times over for the small expense of construction. Dirt from the parking place which is being built on the hill was banked around the walls of the pit and the general appearance of the entire locality has been greatly improved.

RELIGIOUS SERVICES

Throughout the year the usual religious services have been held each Sunday in the chapel. In addition to these, both Protestant and Catholic services have been held each month at the Middleton Colony. The Jewish patients met with the Rabbi at regular monthly intervals as in the past.

The following clergymen have held services at the institution during the year: Rev. Remi B. Schuver, Rev. Frank Perveley, Rev. Paul Mayer, Rev. William Grimes, Rev. Wayne Haskell, Rev. Kenneth Henley, Rev. John Knight, Rev. Nathan Matthews, Rev. Moses L. Sedar.

ACKNOWLEDGEMENTS

I desire to record my sincere appreciation to the many friends and organizations which have contributed their time and money to help bring comfort and cheer to my patients. To all hospitals officers and employees, who have served so loyally throughout the year, I wish to express my thanks.

I wish to express my gratitude to the Board of Trustees and the Department of Mental Diseases for their continued unflinching support and assistance in the many complicated problems of administration.

Respectfully submitted,
C. A. BONNER, M.D.
Superintendent.

REPORT OF TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the forty-fifth annual report of the Training School for Nurses.

Personnel, November 30, 1934:

Principal of the School of Nursing	1
Assistant Principal of the School of Nursing	1
Chief Hospital Supervisor	1
Assistant Supervisor, day	1
Assistant Supervisor, night	1
Head Nurses, Graduates of Danvers State Hospital	10
Hydrotherapist	1

In regard to the training school, there were 123 requests for information; 45 less than in 1933. Forty-three applications were returned. Twenty-three students were accepted. Three have withdrawn. Three references were not satisfactory. Twelve failed to meet the requirements. One is under eighteen. One changed her mind. Three are making up required units.

On November 30, 1934 our students were as follows: Seniors, 12; Intermediates 13; Probationers, 14.

The affiliated nurses for the year ending November 30, 1934 were as follows:
Somerville Hospital: — Edna F. Buell, Dorothy Spriggs, Cecelia McLaughlin, Fannie Campbell, Helen Wells, Alice Landers, Agnes Copeland, Barbara Lynch, Marjorie Muller.

Chelsea Memorial Hospital: — Esther P. Simonds, Elizabeth G. McCann, Beatrice Noel, Helen T. Coffey, Eva MacDonald, Alice Hurley.

Leominster Hospital: — Grace Bowers, Alice Smith, Mary H. Murray.

Graduate Nurses for six months' course: — St. Albans Hospital, St. Albans, Vermont, Mamie Stevens.

Graduate Nurses for three months' course: — Burbank Hospital, Fitchburg, Pauline Bowers; Long Island College Hospital, New York, Mary Norton.

The graduating exercises were held September 26th. The following nurses received diplomas:

Ruby Philomina Belanger	Sophie Alte Levine
Marion Alison Blake	Arminta Evelyn Lewis
Roxy Ann Bogigian	Mildred Alice Maslanka
Mirian Beatrice Bourque	Maude Lewis MacDonald
Eva Adeline Callahan	Marion Elsie Milner
Jessie Frances Hobbs	Lillian Mirkin
Ruth Elizabeth Johnson	Mary Cecelia Perry
Anita Marion LeBlanc	Louise Gertrude Richardson

Mary Josephine Donoghue and Blanche Mae LeBlanc were unable to be present at the exercises because of illness.

Sophie Alte Levine was awarded the Alumnae prize of \$10 for highest rank for the three years.

Miss Mary Agnes Purcell, class of 1933, passed away October 17, 1934, from injuries sustained in an automobile accident.

In closing I wish to thank the members of the hospital staff for their help and cooperation during the past year.

Respectfully submitted,
OLIVE F. ESTEY, R.N.
Principal of the School of Nursing.

SOCIAL SERVICE REPORT

To the Superintendent of the Danvers State Hospital:

I herewith submit the annual report for the Social Service Department for the year beginning December 1, 1933 and ending November 30, 1934.

A total of 1,588 cases were referred to the Social Service Department. This figure includes both hospital patients and child guidance and adult clinic patients. Hospital cases numbered 1,028, and 254 were community clinic cases. Histories were obtained in 936 hospital cases. Of this number 576 were taken from relatives at the hospital and 360 from informants in the community. One hundred sixty-four child guidance clinic histories were obtained — 47 taken at clinic and 117 taken in the community. There were 44 adult mental hygiene clinic histories — 25 taken at clinic and 19 taken in the community. There were three outside cases referred to our department, in which instances we obtained histories for the examination of these patients. Fifty-seven cases were referred to us for investigation of conduct disorder of patients in the hospital. Three cases were referred to investigate employment conditions of patients. Twenty-four cases were referred for home investigation prior to patients' discharge from the hospital. In fifty instances investigations were made of statements made by patients and by their relatives in order to clear up any possible doubt concerning patients' diagnosis and mental condition. Visits were made to 89 patients on visit from the hospital, and 177 children in our child guidance clinics were supervised in the community by our department. Forty-three patients from the adult mental hygiene clinic were supervised by the Social Service Department in the community.

We have attempted to review our clinic work to see how far the economic depression is a factor in the problems and in our treatment of them. It is difficult to establish standards for judging economic stress. The communities in which our clinics are held vary greatly even in normal times. We have no criteria for judging our families' standards of living before the economic depression as we have not known the families that long. In some instances economic stress is evident, but it is not clear to us how much it is responsible for the problems for which the children are referred to the clinic. In Beverly, in 19 cases economic stress is not a factor. In 5 instances we have not sufficient data to determine whether or not economic stress is a factor. Ten families had a limited income, less than they were formerly accustomed to. In some of these cases the income was not adequate. In 15 families economic stress was a definite factor in the problems presented by the children. Four such families were living with relatives. This has caused crowded arrangements, created friction among the members of the household; there was interference on the part of relatives in the upbringing of the children. In these four cases and in others the parents were tense and anxious. There was a fear of future pregnancies when it was already difficult to support what children there were. Two families found it impossible to pay for needed medical attention.

Salem Child Guidance Clinic: There have been six cases referred to this clinic. Of these one family has not been able to keep up payments on their house and have lost it. In two families there was definite worry about finances and in two families relatives have had to move in together. Two fathers were holding jobs inferior to their former ones.

Haverhill Child Guidance Clinic: — There were 38 cases seen at the clinic this year — 27 new ones and 11 continued from the previous year. Sixteen families showed economic strain that was definitely recognized by the clinic and the family, but in only 11 instances did the economic factor directly affect the nature of the problem or treatment. The remaining five children presented problems such as feeble-mindedness, epilepsy, and speech defects, all of which would require attention quite apart from the financial status of the family. The nature of the problem and the treatment vary. In one the proper school placement could not be effected because the family could not afford to pay what was considered best for the child. In three instances the home life was irregular because the families either had to live with relatives or break up their immediate family group. In two instances the uppermost factor was lack of resources for recreation. In five families lack of financial resources prevented proper medical attention or sound mental health of either, or both parents to the extent that they could not cope with the children's problems.

Gloucester Child Guidance Clinic: The Gloucester Child Guidance Clinic met weekly until the last of January, and twice a month from then until June. Seven cases were seen, three of whom showed economic stress. Of these three, one had problems which seemed directly attributable to financial resources or lack of them. This was the case of a sixteen year old high school girl, whose mother had been brought up in comparative luxury. The girl's family lived comfortably until the father's business failed and the family had to descend to a modest plane of living. Subsequently the girl developed a marked feeling of inferiority, dissatisfaction with her present environment, sensitiveness and the conviction that money is the sole essential for happiness.

Newburyport Child Guidance Clinic: Thirteen cases were seen at clinic, and of these thirteen all but one showed a strained economic situation. This had a direct bearing on the problem or treatment in four cases. In one of these personality defects may be traced to the fact that the child, a boy of seven, was boarded in various foster homes until six months before his referral to the clinic, while his mother who was separated from his father worked to support the children. In another instance the father and step-mother both worked outside the home when able to find work, so that the child was denied the supervision she required. The third case was that of a boy for whom placement in a boarding school was strongly indicated but as yet no suitable school has been found, owing to the father's inability to pay for such.

Melrose Child Guidance Clinic: This clinic opened in November and so far there have been four cases, only one of whom was affected by economic stress. A recently widowed mother, whose husband provided comfortably for the family during his lifetime, was supporting her children on a marginal wage under the E.R.A. For several months the mother and children were separated owing to the financial situation and the child referred to clinic was fretful, complaining and unable to realize that she could not enjoy the pleasures she did formerly.

Lawrence Mental Hygiene Clinic: This clinic has been meeting twice a month and is held at the International Institute on Haverhill Street. In one case there was definitely no financial stress and in four other cases we have not sufficient data to determine whether or not there is. Three families had to struggle to get the bare necessities. Two families could not afford dues for Y.M.C.A. and one family could not afford carfare to go to church. Six other families were in low financial condition.

Two girls worried excessively about the family finances and this worry has definitely tended to produce a state of anxiety or irritability. One patient, a young man, showed definite mental symptoms as the result of inability to get and hold a job. He thought people felt he was no good because he was not working.

Lynn Child Guidance Clinic: This clinic started meeting this fall for only one-half day a week instead of a whole day a week. This is to bring the clinic more in conformity with our other clinics. There has been a total number of 75 cases. Of these, 57 showed economic stress. In these 57, 14 cases had their problems definitely affected by the economic stress, whereas in 43 cases of economic stress the latter did not seem to be a factor in the problems the children showed. In 14 instances we have not adequate information to determine economic stress. Of the 14 cases in which the economic factor affected the clinic work, in 10 of these it influenced the problem, and in 4 it influenced the treatment. There were four cases of stealing, which seemed influenced by the family's inability to provide an allowance for the children. One boy's father no longer had a car and the boy had taken his trips by running away from home. There was one case of physical complaints — psycho-neurosis. One family was living in inadequate conditions in a single room. The child referred to us could not concentrate and was restless. Of the four cases in which the economic stress was a factor in treatment, there were two cases in which the family was unable to provide for foster home placement. One boy was encouraged to steal by his father. For financial reasons the mother could not separate from the father and take the boy away from that environment. One mother claimed she "nagged" the patient because of her tenseness over the financial situation.

Lynn Adult Mental Hygiene Clinic: The total number of cases seen was 58. Of these, 52 showed economic stress. Of these 52, in 25 cases the economic stress affected either the problem or the treatment at clinic. Of these, there were 18 in

which the economic stress affected the problem. In 2 cases it changed the problem and in 7 cases it affected the treatment at the clinic. In 26 cases there was no apparent economic factor. In 12 cases we have not adequate information upon which to decide. In the cases in which economic stress is the factor in the problem, 9 were worried over financial matters to the extent that we considered this a contributing cause to their mental conditions. One young husband was unable to provide a home so that the wife became upset over her separation from husband and baby. One elderly man was quite upset emotionally over his dependence upon his children. One woman worried over her unemployment since the relatives, with whom she lived, were continually reminding her of her debts to them. In cases in which the economic stress is a factor in treatment, in 2 cases the economic situation prevented placement at school or camp. Two cases needed employment to occupy their attention from abnormal thinking. One patient was unable to afford anti-luetic treatment. A low-grade girl, who steals, was threatened with removal from an excellent foster home and school because of mother's inability to pay more board. A high school girl, who is the "mother" in the home, was unable to lighten her home duties because of the father's inability to hire a housekeeper.

The personnel of the department has remained the same. Miss Helen E. Riley had a two months' leave of absence in the spring for European travel. Mrs. Doris Day, a former student here, substituted during her absence. We had two students from the Department of Mental Diseases, Miss Sara Karp, a graduate of New York University, and Miss Doris Brown, a graduate of Smith College and the Boston Nursery School.

We have given up the Gloucester Child Guidance Clinic. Gloucester does not seem to be ready for such a clinic. So few cases were referred that it seemed not worthwhile to continue with the clinic. Two new clinics have been opened — one in Salem at the Pinkham Memorial, and one in Melrose at the Calvin Coolidge School.

With our added community clinic work there should be at least two additional social workers in our department. I am convinced that our set-up with an active mental hospital and eight community mental hygiene clinics, under the same auspices, furnishes an admirable training center for students in psychiatric social work. However, with the volume of our work and the present limited personnel it is impossible for us to give students adequate training. In order to do this the head worker should be relieved of much active case work.

In October, we moved into our new suite of offices, which gives more adequate space for a general office, a private office for the head worker, and two rooms for history taking and dictating.

Respectfully submitted,

MARY HENDERSON HOLLAND,
Head Social Worker.

REPORT OF THE CHILD GUIDANCE AND SCHOOL CLINICS

To the Superintendent:

It is my pleasure to submit the following report of the out-patient work among children in the Danvers State Hospital district:

The year ending November 30, 1934 was not only an unusually busy one but it was marked also by several changes. The addition of two new child guidance clinics, one in Salem, the other in Melrose, increased our fall schedule. In Salem the Business and Professional Women's Club was most active in sponsoring our establishment and they secured comfortable, adequate, and attractive quarters for us in the Pinkham Memorial building. Our Melrose clinic was an outgrowth of activities of a few interested Melrose residents. Later the Woman's Club and the school became interested and active. We have our weekly clinic here in the Calvin Coolidge School. With these two additional clinics it seemed wise to discontinue the Child Guidance Clinic in Gloucester. Now the Gloucester, Rockport, Manchester cases are cared for in the Beverly Habit Clinic.

With the opening of the fall activities we were fortunate to have an additional physician assigned to this branch of the work which has been growing in each of the last few years to proportions almost impossible for one physician to assume.

Dr. Lois E. Taylor thus became a member of our staff in September 1934. She is a graduate of the University of Vermont Medical College in 1933 and more recently completed her internship at the New England Hospital for Women and Children at Roxbury. Dr. Taylor has been working into the traveling school clinic phase and has spent three days a week in the schools. This represents more time (at least fifty percent) than we had been able to devote to this work in the last year or two.

Of the established clinics, Haverhill and Beverly continue as last year. The Lynn clinic enjoys the use of the Child Welfare House quarters as formerly, but instead of spending a full day at the clinic we are devoting only the forenoon in order that more time may be given by this department to the examination of Juvenile Delinquents.

The Lawrence Mental Hygiene Clinic moved into new quarters in October, 1934, when the International Institute moved from the Y. W. C. A. building into one at 125 Haverhill Street. We appreciate greatly the hospitality and cooperation which we enjoyed at the Y. W. C. A. It seemed rather preferable, however, to accept of two invitations offered the one of the International Institute because of the mixed attendance at our clinics.

A brief summary of the cases handled in the clinics the past year is pertinent at this time. There were 149 new child guidance cases treated in this period with many old ones continued. In the traveling school clinics, 370 children were examined and of these 94 represent the re-examinations. Of the 190 "Section 215" cases, Juvenile Delinquents, 46 were examined by this department, the balance was examined by other members of the hospital staff. So called "Outside Cases" which include special ones not listed under any clinic add fourteen more to our total of cases. These represent consultations at the Essex County Tuberculosis Sanatorium, cases examined at the hospital for the Society for the Prevention of Cruelty to Children, and similar referrals.

As is our usual custom the clinical assistants from Tufts Medical College, Occupational Therapy students and the student nurses in the Danvers State Hospital training school, as well as the affiliate nurses, attended the out-patient clinics to observe methods.

Respectfully submitted,

DORIS M. SIDWELL, M.D.

PSYCHOLOGICAL REPORT

To the Superintendent of the Danvers State Hospital:

It is my privilege to present the annual report of the Department of Psychology for the year ending November 30, 1934:

The three assistants of the department have been as follows: December 1933 to July or August 1934, Dorothy McLeod, Margaret Taylor and Kathleen Arnold; August to November 1934, Alice Shoenfuss, Faith Kellogg and Harriet Metzger. During the month of August we had the additional services of Warren Stearns, student assistant.

The extra-mural work of the hospital has occupied the larger part of our time. Routine psychometric tests have been given to children, as follows:

Cases in child guidance clinics	190
Court examinations of juvenile offenders	180
Cases examined in school clinics	433

Total out-patient cases 806

A psychometric examination, more or less complete, has been administered to every newly-admitted hospital patient under sixty years of age, excepting those patients who were in no condition for such examination or those who had been thoroughly examined on admission to the hospital at some previous time. The number of patients examined with a fair degree of adequacy was 425. Informal notes have been entered in the cases of 66 additional patients, concerning for the most part those patients who could not be induced to give satisfactory cooperation.

The total number of persons examined individually, in the hospital and in various out-patient clinics, was 1,297.

A group examination was given at Essex County Agricultural School in September, to aid in the classification of new students. 108 students were thus tested, and the report was given to the School. Also, in response to a special request, we gave a similar examination to a group of 22 children in the Ipswich public schools.

Four hours' instruction in psychometrics has been given to student nurses, medical internes, and the students of the occupational therapy department. This course has been repeated for each new group of visiting students. Also, six lectures on more general psychological topics have been given for each group of affiliate nurses.

Two published contributions appeared during the year, as follows: Written Tests for the Clinic, in *Journal of Genetic Psychology*; and Modification of the Kohs Block Design Test, in *Journal of Applied Psychology*. The tests described in these papers have been in regular use in this hospital since 1929, and are now made conveniently available for the use of other clinics.

We have in progress five projects for further improvement of our psychometric equipment, and three psychiatric studies based upon data contained in the hospital case records.

We have had ten all-day visits from psychologists employed in other institutions or clinics, also eighteen shorter visits from Wellesley and Wheaton students who came in small groups.

Respectfully submitted,

GRACE H. KENT, Ph. D.

VALUATION

November 30, 1934
REAL ESTATE

Land, 517.68 acres	\$99,112.00
Buildings and betterments	2,698,776.07

\$2,797,888.07

PERSONAL PROPERTY

Travel, transportation and office expenses	\$4,191.61
Food	9,322.48
Clothing and materials	17,851.60
Furnishings and household supplies	138,615.80
Medical and general care	10,622.72
Heat and other plant operation	12,390.69
Farm	65,800.50
Garage and grounds	1,815.75
Repairs	21,285.03

\$281,896.18

SUMMARY

Real estate	\$2,797,888.07
Personal property	281,896.18

\$3,079,784.25

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1934.

STATEMENT OF EARNINGS

Board of Patients	\$103,976.65
Personal Services:	
Reimbursement from Board of Retirement	236.00
Sales:	
Travel, transportation and office expenses	\$2.00
Food	333.44
Clothing and materials	26.93
Furnishings and household supplies	14.08
Medical and general care	156.16
Heat and other plant operations	191.80
Garage and grounds	122.06
Repairs ordinary	135.65
Farm	437.96
Total Sales	\$1,420.08
Miscellaneous:	
Rents	829.00
Total Miscellaneous	\$106,461.73
Total earnings for the year	\$106,461.73

Total cash receipts reverting and transferred to the State Treasurer		\$106,452.01
Accounts receivable outstanding December 1, 1933	\$407.90	
Accounts receivable outstanding November 30, 1934	417.62	
Accounts receivable increased		\$9.72

MAINTENANCE APPROPRIATIONS

Balance from previous year, brought forward		\$13,253.83
Appropriation, current year		665,250.00

Total		\$678,503.83
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Expenditures as Follows:

1. Personal services	\$317,318.95	
2. Food	98,226.19	
3. Medical and general care	12,414.86	
4. Religious instruction	1,911.17	
5. Farm	27,145.51	
6. Heat and other plant operation	103,683.72	
7. Travel, transportation and office expenses	7,362.91	
8. Garage and grounds	6,555.30	
9. Clothing and materials	23,340.67	
10. Furnishings and household supplies	31,781.13	
11. Repairs ordinary	18,692.08	
12. Repairs and renewals	6,059.85	

Total maintenance expenditures		\$654,492.34
Balance of maintenance appropriation, November 30, 1934		24,011.49

\$678,503.83

SPECIAL APPROPRIATIONS

Balance December 1, 1933, brought forward		\$450.65
Appropriations for current year		226,000.00

Total		\$226,450.65
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Expended during the year (see statement below)	\$39,196.93	
Reverting to Treasury of Commonwealth	* 450.65	
(Star balances below that are reverting)		39,647.58

Balance November 30, 1934, carried to next year		\$186,803.07
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APPROPRIATION	Act or Resolve Ch.—Yr.	Total Amount Appropriated	Expended during Fiscal Year	Total Expended to Date	Balance at end of Year
Renovation of Rear Center furnishings — kitchen and cafeteria equipment	245-1931 170-1932	\$36,994.60	—	\$36,543.95	\$450.65*
Mass. State Project M 7 P.W.A. Docket 2641 Hydrotherapy Building		119,000.00	32,939.76	32,939.76	86,060.24
Mass. State Project M 42 P.W.A. Docket 4666 sprinklers, rewiring and fireproof stairs		107,000.00	6,257.17	6,257.17	100,742.83

PER CAPITA

During the year the average number of patients has been, 2,171

Total cost of maintenance, \$654,492.34

Equal to a weekly per capita cost of (52 weeks to year) \$5.797

Total receipts for the year, \$106,452.01

Equal to a weekly per capita of \$.943

Total net cost of maintenance for year (Total maintenance less total receipts), \$458,040.33

Net weekly per capita, \$4.854.

Respectfully submitted,

HULDA ARONSON,

Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED
BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASESTABLE 1. *General Information*

(Date correct at end of institution year November 30, 1934)

1. Date of opening as a hospital for mental diseases, May 13, 1878

2. Type of hospital: State.

3. Hospital plant:

Value of hospital property:

Real estate, including buildings \$2,797,888.07

Personal property 281,896.18

Total

Total acreage of hospital property owned, 517.68

Additional acreage rented: None.

Total acreage under cultivation during previous year, 364.5.

4. Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	8	3	11	1	—	1
Clinical assistants	2	—	2	—	—	—
Total	11	3	14	1	—	1
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	33	33	—	2	2
Other nurses and attendants	90	99	189	—	—	—
Occupational therapists	—	5	5	—	—	—
Social workers	—	4	4	—	1	1
All other officers and employees	85	55	140	1	2	3
Total officers and employees	189	199	388	2	5	7

5. Census of patient population at end of year:

	Actually in Hospital			Absent from Hospital but still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane	1,002	1,162	2,164	149	152	301
Mental defectives	—	1	1	—	—	—
Alcoholics	2	—	2	—	—	—
All other cases	3	1	4	—	—	—
Total	1,007	1,164	2,171	149	152	301
OTHER RACES:						
Insane	15	8	23	—	2	2
Total	15	8	23	—	2	2
Grand Total	1,022	1,172	2,194	149	154	303

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report

	M.	F.	T.
7. Other patients employed in general work of hospital on date of report	82	172	254
8. Average daily number of all patients actually in hospital during year	680	452	1,132
9. Voluntary patients admitted during year	1,007	1,154	2,161
10. Persons given advice or treatment in out-patient clinics during year	4	2	6
	265	251	516

TABLE 3. *Nativity of First Admissions and of Parents of First Admission*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States ¹	159	156	315	86	84	71	80	81	70
Australia	2	—	2	2	2	2	1	1	1
Belgium	—	1	1	—	—	—	1	1	1
Canada ²	30	19	49	41	43	35	27	26	22
England	6	5	11	10	8	6	9	8	5
Finland	—	—	—	1	1	1	—	—	—
France	—	1	1	—	1	—	1	1	1
Germany	1	7	8	3	4	2	10	8	8
Greece	5	—	5	5	5	5	—	—	—
Hungary	—	—	—	—	—	—	1	1	1
Ireland	13	11	24	40	39	35	40	40	36
Italy	16	4	20	22	21	21	7	7	7
Norway	—	1	1	—	—	—	1	1	1
Poland	6	3	9	8	8	8	7	7	7
Portugal	1	—	1	1	1	1	1	1	1
Russia	3	6	9	6	6	6	12	10	10
Scotland	1	5	6	6	4	2	6	6	5
Sweden	2	3	5	2	2	2	7	6	6
Turkey in Europe	2	—	2	2	2	2	1	1	1
Other countries	5	4	9	7	7	7	4	4	4
Unknown	1	—	1	11	15	10	10	16	9
Total	253	226	479	253	253	216	226	226	196

¹Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.)²Includes Newfoundland.

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	159	156	315
Citizens by naturalization	49	27	76
Aliens	28	24	52
Citizenship unknown	17	19	36
Total	253	226	479

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			With syphilitic meningo-encephalitis			With other forms of syphilis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (blk.)	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
American Indian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	2	1	3	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
English	29	57	86	-	1	1	-	-	-	-	-	-	-	1	1	2	-	2
Finnish	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	18	14	32	2	-	2	-	-	-	-	-	-	-	-	-	6	1	7
German	3	8	11	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Greek	7	-	7	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	5	16	21	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Irish	51	47	98	2	-	2	-	-	-	-	-	-	-	-	-	10	1	11
Italian ¹	22	8	30	3	1	4	-	-	-	-	-	-	-	-	-	1	1	2
Lithuanian	3	3	6	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Portuguese	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	2	7	9	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Scotch	4	7	11	1	2	3	-	-	-	-	-	-	-	-	-	-	1	1
Slavonic ³	10	5	15	1	-	1	-	1	1	-	-	-	-	-	-	2	1	3
Syrian	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	88	40	128	5	2	7	1	-	1	1	-	1	-	-	-	9	-	9
Race unknown	2	8	10	-	2	2	-	-	-	-	-	-	-	1	1	-	-	-
Total	253	226	479	19	9	28	1	1	2	1	1	2	1	2	3	33	5	38

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Due to drugs, etc.			Traumatic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)			Senile psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
American Indian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	-	-	15	22	37	1	-	1	-	1	1	-	7	7
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	1	-	1	-	-	-	4	2	6	-	-	-	-	-	-	-	1	1
German	-	-	-	-	-	-	-	6	6	-	-	-	-	-	-	1	1	2
Greek	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	1	3	4	-	-	-	-	-	-	-	-	-
Irish	-	-	-	1	-	1	18	17	35	-	-	-	-	2	2	-	1	1
Italian ¹	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	-	2	2
Scotch	-	-	-	-	-	-	1	2	3	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	1	-	1	2	-	2	-	-	-	-	1	1	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	-	1	1	26	10	36	-	1	1	-	-	-	5	1	6
Race unknown	-	-	-	-	-	-	1	4	5	-	-	-	-	-	-	-	1	1
Total	1	-	1	3	1	4	73	68	141	2	1	3	-	4	4	6	14	20

¹Includes "North" and "South".

²Norwegians, Danes and Swedes.

³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Involuntional psychoses			Due to other metabolic diseases, etc.			Due to new growth			With organic changes of nervous system			Psycho-neuroses			Manic-depressive psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Indian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	1	4	5	-	2	2	-	-	-	-	1	1	-	-	-	2	5	7
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	2	-
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1
Irish	2	5	7	2	1	3	-	-	-	-	-	-	-	1	1	1	3	4
Italian ¹	-	-	-	1	-	1	-	-	-	1	1	2	1	-	1	1	1	2
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	1
Scotch	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Slavonic ³	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Mixed	-	2	2	1	2	3	-	1	1	1	1	2	1	1	2	11	4	15
Race unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Total	3	12	15	4	6	10	-	1	1	3	3	6	2	4	6	17	18	35

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency			Without psychoses			Primary behavior disorders		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Indian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
English	4	8	12	1	-	1	-	1	1	2	4	6	1	-	1	-	-	-
Finnish	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	4	6	10	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-
German	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Greek	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	3	7	10	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-
Irish	11	14	25	1	1	2	-	-	-	2	1	3	1	-	1	-	-	-
Italian ¹	8	4	12	1	-	1	-	-	-	2	-	2	-	-	-	-	-	-
Lithuanian	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Scandinavian ²	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	3	1	4	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Syrian	1	-	1	-	-	-	-	-	-	-	2	2	-	-	-	1	-	1
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	23	12	35	-	-	-	1	1	2	3	1	4	-	-	-	-	-	-
Race unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	64	58	122	4	1	5	2	2	4	10	15	25	3	-	3	1	-	1

¹Includes "North" and "South."²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. Age of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	19	9	28	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	1	1	2	-	-	-	-	-	-	1	-	1	-	-	-
With other infectious diseases	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	33	5	38	-	-	-	-	-	-	-	-	-	1	-	1
Due to drugs, etc.	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	3	1	4	-	-	-	1	-	1	-	-	-	1	-	1
With cerebral arteriosclerosis	73	68	141	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	-	4	4	-	-	-	-	-	-	-	-	-	-	1	1
Senile psychoses	6	14	20	-	-	-	-	-	-	-	-	-	-	-	-
Involuntional psychoses	3	12	15	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	4	6	10	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	3	3	6	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	2	4	6	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	17	18	35	-	-	-	1	-	1	1	-	1	-	1	1
Dementia praecox	64	58	122	-	-	-	8	9	17	13	8	21	15	8	23
Paranoia and paranoid condition	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	2	2	4	-	-	-	1	1	2	-	1	1	-	-	-
With mental deficiency	10	15	25	-	-	-	1	2	3	1	1	2	1	1	2
Without psychosis	3	-	3	1	-	1	-	-	-	-	-	-	-	-	-
Primary behavior disorders	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Total	253	226	479	1	-	1	12	12	24	17	10	27	18	11	29

TABLE 7. Age of First Admissions Classified with Reference to Principal Psychoses — Continued

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	2	-	2	5	1	6	5	3	8	3	1	4	2	1	3	-	2	2
With other forms of syphilis	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	1	1	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-
Alcoholic psychoses	2	-	2	3	2	5	3	1	4	10	2	12	8	-	8	3	-	3
Due to drugs, etc.	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	1	1	-	-	-	-	-	-	2	4	6	2	5	7
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-
With convulsive disorders (epil.)	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntional psychoses	-	-	-	-	-	-	-	1	1	1	3	4	2	5	7	-	1	1
Due to other metabolic diseases etc.	-	3	3	-	-	-	1	-	1	-	2	2	1	-	1	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	1	2
Psychoneuroses	-	1	1	1	-	1	-	1	1	-	-	-	1	2	3	-	-	-
Manic-depressive psychoses	-	1	1	-	-	-	1	6	7	2	4	6	2	1	3	6	2	8
Dementia praecox	10	3	13	6	10	16	10	2	12	2	8	10	-	7	7	-	2	2
Paranoia and paranoid conditions.	-	-	-	1	-	1	-	-	-	1	1	2	-	-	-	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
With mental deficiency	1	2	3	2	-	2	-	7	7	3	2	5	-	-	-	1	-	1
Without psychoses	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	15	11	26	21	15	36	22	24	46	25	26	51	18	22	40	13	13	26

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo- encephalitis	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephal- itis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to drugs, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arterio- sclerosis	13	14	27	12	8	20	19	11	30	9	12	21	10	9	19	6	4	10
With other disturbances of circulation	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With convulsive dis- orders (epilepsy)	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	1	1	1	-	1	2	4	6	-	5	5	3	4	7	-	-	-
Involuntional psychoses	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	2	-	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psy- choses	4	2	6	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Dementia praecox	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and paranoid conditions	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic per- sonality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Primary behavior dis- orders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	26	21	47	14	9	23	23	18	41	9	17	26	13	13	26	6	4	10

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Illiterate			Reads Only			Reads and Writes			Common School			High School			College			Unknown		
	F.		T.	M. F.		T.	M. F.		T.	M. F.		T.	M. F.		T.	M. F.		T.	M. F.		T.	M. F.		T.
	M.			M.			M.			M.			M.			M.			M.			M.		
With syphilitic meningo-encephalitis.	19	9	28	-	1	1	-	-	-	1	1	2	11	4	15	2	2	4	-	-	-	5	1	6
With other forms of syphilis	1	1	2	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	
With epidemic encephalitis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
With other infectious diseases	1	1	2	-	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-	
Alcoholic psychoses	33	5	38	5	1	6	2	2	2	2	2	2	18	3	21	3	3	3	1	1	4	1	5	
Due to drugs, etc.	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
Traumatic psychoses	3	1	4	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	
With cerebral arteriosclerosis	73	68	141	5	2	7	1	1	20	6	14	20	38	35	73	4	7	11	2	1	3	17	9	26
With other disturbances of circulation	2	1	3	-	-	-	-	-	-	-	-	-	2	1	3	-	-	-	-	-	-	-	-	
With convulsive disorders (epilepsy)	-	-	-	-	1	1	-	-	-	-	1	1	-	1	1	-	-	-	1	1	-	-	-	
Senile psychoses	6	14	20	-	1	1	-	-	-	-	2	2	3	5	8	-	2	2	-	1	1	3	3	6
Involutional psychoses.	3	12	15	-	-	-	-	-	-	-	-	-	3	5	15	-	2	2	-	1	1	-	-	
Due to other metabolic diseases, etc.	4	6	10	-	1	1	-	-	-	-	-	-	3	2	5	-	3	3	1	-	-	-	-	
Due to new growth	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
With organic changes of nervous system	3	3	6	-	-	-	-	-	-	-	-	-	2	1	3	-	-	-	-	-	-	1	-	
Psychoneuroses	2	4	6	-	-	-	-	-	-	-	-	-	2	1	3	-	3	3	-	-	-	-	-	
Manic-depressive psychoses	17	18	35	-	-	-	-	-	-	-	-	-	2	1	3	-	4	4	-	-	-	-	-	
Dementia praecox	64	58	122	1	2	3	-	-	-	1	1	3	10	11	21	4	8	2	1	3	1	1	2	
Paranoia and paranoid conditions	4	1	5	-	-	-	-	-	-	2	3	5	37	34	71	16	15	31	6	1	7	2	3	
With psychopathic personality	2	2	4	-	-	-	-	-	-	-	-	-	2	1	3	1	1	1	1	1	-	-	-	
With mental deficiency	2	2	4	-	-	-	-	-	-	-	-	-	1	1	2	1	1	2	1	-	-	-	-	
Without psychoses	10	15	25	3	2	5	-	1	1	2	2	2	5	10	15	1	1	1	-	-	1	-	1	
Without psychoses	3	-	3	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-	-	
Primary behavior disorders	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	
Total	253	226	479	14	11	25	1	1	2	12	25	37	145	122	267	34	42	76	13	6	19	34	19	53

TABLE 9. *Environment of First Admissions Classified with Reference to Principal Psychoses*

[illegible]

TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable	Unknown
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M. F. T.	M. F. T.
With syphilitic meningo- encephalitis	19	9	28	9	1	10	10	8	18	- - -	- - -
With other forms of syphilis	1	1	2	-	-	-	1	1	2	- - -	- - -
With epidemic encephalitis	1	1	2	1	1	2	-	-	-	- - -	- - -
With other infectious diseases	1	2	3	-	-	-	1	2	3	- - -	- - -
Alcoholic psychoses	33	5	38	10	-	10	23	5	28	- - -	- - -
Due to drugs, etc.	1	-	1	-	-	-	1	-	1	- - -	- - -
Traumatic psychoses	3	1	4	1	-	1	2	1	3	- - -	- - -
With cerebral arteriosclerosis	73	68	141	35	35	70	37	33	70	- - -	1 - 1
With other disturbances of circulation	2	1	3	1	-	1	1	1	2	- - -	- - -
With convulsive disorders (epilepsy)	-	4	4	-	1	1	-	3	3	- - -	- - -
Senile psychoses	6	14	20	5	8	13	1	5	6	- - -	- 1 1
Involuntary psychoses	3	12	15	2	2	4	1	9	10	- 1 1	- - -
Due to other metabolic di- eases, etc.	4	6	10	2	-	2	2	5	7	- 1 1	- - -
Due to new growth	-	1	1	-	-	-	-	1	1	- - -	- - -
With organic changes of ner- vous system	3	3	6	1	1	2	2	2	4	- - -	- - -
Psychoneuroses	2	4	6	1	-	1	1	4	5	- - -	- - -
Manic-depressive psychoses	17	18	35	3	3	6	13	15	28	1 - 1	- - -
Dementia praecox	64	58	122	32	19	51	31	38	69	- 1 1	1 - 1
Paranoia and paranoid con- ditions	4	1	5	-	-	-	3	-	4	1 - 1	- - -
With psychopathic personality	2	2	4	2	2	4	-	-	-	- - -	- - -
With mental deficiency	10	15	25	7	10	17	3	5	8	- - -	- - -
Without psychoses	3	-	3	2	-	2	1	-	1	- - -	- - -
Primary behavior disorders	1	-	1	-	-	-	1	-	1	- - -	- - -
Total	253	226	479	114	83	197	135	139	274	2 3 5	2 1 3

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unknown
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M. F. T.
With syphilitic meningo- encephalitis	19	9	28	6	4	10	9	3	12	4	2	6	- - -
With other forms of syphilis	1	1	2	1	-	1	-	-	-	-	1	1	- - -
With epidemic encephalitis	1	1	2	1	1	2	-	-	-	-	-	-	- - -
With other infectious diseases	1	2	3	-	2	2	1	-	1	-	-	-	- - -
Alcoholic psychoses	33	5	38	-	-	-	-	-	-	33	5	38	- - -
Due to drugs, etc.	1	-	1	-	-	-	1	-	1	-	-	-	- - -
Traumatic psychoses	3	1	4	2	1	3	1	-	1	-	-	-	- - -
With cerebral arteriosclerosis	73	68	141	33	62	95	22	5	27	17	1	18	1 - 1
With other disturbances of circulation	2	1	3	-	-	-	2	1	3	-	-	-	- - -
With convulsive disorders (epilepsy)	-	4	4	-	4	4	-	-	-	-	-	-	- - -
Senile psychoses	6	14	20	4	13	17	1	-	1	1	-	1	- 1 1
Involuntary psychoses	3	12	15	2	11	13	1	1	2	-	-	-	- - -
Due to other metabolic di- eases, etc.	4	6	10	1	5	6	1	-	1	2	1	3	- - -
Due to new growth	-	1	1	-	1	1	-	-	-	-	-	-	- - -
With organic changes of nervous system	3	3	6	3	2	5	-	1	1	-	-	-	- - -
Psychoneuroses	2	4	6	1	4	5	1	-	1	-	-	-	- - -
Manic-depressive psychoses	17	18	35	12	17	29	4	1	5	1	-	1	- - -
Dementia praecox	64	58	122	38	52	90	17	4	21	8	2	10	1 - 1
Paranoia and paranoid con- ditions	4	1	5	-	1	1	3	-	3	1	-	1	- - -
With psychopathic person- ality	2	2	4	2	1	3	-	-	-	-	-	-	- 1 1
With mental deficiency	10	15	25	6	13	19	3	1	4	1	1	2	- - -
Without psychoses	3	-	3	2	-	2	-	-	-	1	-	1	- - -
Primary behavior disorders	1	-	1	1	-	1	-	-	-	-	-	-	- - -
Total	253	226	479	115	194	309	67	17	84	69	13	82	2 2 4

TABLE 12. Marital Condition of First Admissions Classified to Principal Psychoses

PSYCHOSES		Total		Single		Married		Widowed		Divorced		Separated		Unknown	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
With syphilitic meningo-encephalitis	.	19	9	5	1	13	8	1	-	-	1	-	-	-	-
With other forms of syphilis	.	1	1	-	-	-	1	-	-	-	-	-	-	-	-
With epidemic encephalitis	.	1	1	-	-	1	1	-	-	-	-	-	-	-	-
With other infectious diseases	.	1	2	1	1	-	-	-	2	-	-	-	-	-	-
Alcoholic psychoses	.	33	5	12	-	17	4	-	2	4	1	-	-	-	-
Due to drugs, etc.	.	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Traumatic psychoses	.	3	1	2	1	1	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	.	73	68	18	14	29	23	22	30	3	1	2	-	1	1
With other disturbances of circulation	.	2	1	-	-	1	1	2	52	1	-	-	-	-	-
With convulsive disorders (epilepsy)	.	-	4	2	3	2	1	1	-	-	-	1	-	-	-
Senile psychoses	.	6	14	2	6	2	2	1	8	-	-	-	-	-	-
Involuntary psychoses	.	3	12	2	5	1	5	-	1	-	1	-	-	-	-
Due to metabolic diseases, etc.	.	4	6	1	1	3	5	-	1	-	-	-	-	-	-
Due to new growth	.	-	1	-	-	-	-	-	1	-	-	-	-	-	-
Psychoneuroses	.	3	3	-	-	3	-	-	1	-	-	-	-	-	-
With organic changes of nervous system	.	2	4	1	1	1	3	-	2	-	-	-	-	-	-
Manic-depressive psychoses	.	17	18	4	2	12	14	1	2	-	-	-	-	-	-
Dementia praecox	.	64	58	47	32	17	25	42	1	-	-	-	-	-	-
Paranoia and paranoid conditions	.	4	1	2	1	3	1	-	1	-	-	-	-	-	-
With psychopathic personality	.	2	2	1	1	-	-	-	-	-	-	-	-	1	1
With mental deficiency	.	10	15	8	10	2	5	-	-	-	-	-	-	-	-
Without psychoses	.	3	-	2	2	2	-	-	-	-	-	-	-	-	-
Primary behavior disorders	.	1	-	1	-	1	-	-	-	-	-	-	-	-	-
Total	.	253	226	109	77	108	97	25	48	9	3	1	-	1	2

TABLE 13. — *Mental Disorders of All Admissions, All Discharges, All Deaths, 1934, All Cases in Residence and All Cases Out on September 30, 1934, by Status of Admission and Sex — Continued*

MENTAL DISORDERS	ALL ADMISSIONS*						ALL DISCHARGES*						ALL DEATHS					
	FIRST ADMISSIONS			READMISSIONS			FIRST ADMISSIONS			READMISSIONS			FIRST ADMISSIONS			READMISSIONS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Paranoid type	19	18	37	3	7	10	12	16	28	3	3	6	1	4	5	—	1	1
Other types	1	2	3	—	—	3	—	—	—	1	1	2	—	—	—	—	1	1
Paranoia	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paranoid conditions	3	2	5	2	1	3	1	5	6	1	1	2	1	3	4	—	—	—
With psychopathic personality	2	2	4	1	1	2	2	—	2	—	—	—	—	—	—	—	—	—
With mental deficiency:																		
Idiot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Imbecile	3	3	6	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—
Moron	7	12	19	2	1	3	3	2	5	2	1	3	1	1	2	1	1	1
Unknown	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Without Psychoses:																		
Alcoholism	32	2	34	32	2	34	33	2	35	31	2	33	—	—	—	—	—	—
Disorders due to epidemic encephalitis	1	1	2	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Psychopathic personality:	—	1	1	1	1	2	1	1	2	1	1	2	—	—	—	—	—	—
With pathological sexuality	—	—	—	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With pathological emotionality	4	—	4	2	—	2	4	—	4	2	—	2	—	—	—	—	—	—
With asocial or amoral trends	1	—	1	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
Mixed types	2	—	2	2	—	2	1	—	1	2	—	2	—	—	—	—	—	—
Epilepsy	1	1	2	1	—	1	1	1	1	2	1	1	—	—	—	—	—	—
Mental deficiency:																		
Imbecile	1	1	2	1	—	1	1	1	2	1	—	1	—	—	—	—	—	—
Moron	2	1	3	3	—	3	2	—	2	3	—	3	—	—	—	—	—	—
Epilepsy and mental deficiency:																		
Imbecile	1	—	1	1	1	2	—	—	—	—	1	1	—	—	—	—	—	—
Moron	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other non-psychotic diseases or conditions.	9	2	11	3	2	5	10	2	12	4	2	6	—	—	—	—	—	—
No other condition	8	7	15	1	3	4	6	8	14	1	3	4	—	—	—	—	—	—
Primary Behavior Disorders:																		
Simple adult maladjustment	6	2	8	2	—	2	6	2	8	2	—	2	—	—	—	—	—	—
Primary behavior disorders in children:																		
Habit disturbance	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Conduct disturbance	3	—	3	—	—	—	3	—	3	—	—	—	—	—	—	—	—	—
Grand Total	379	283	662	127	89	216	226	153	379	110	57	167	110	133	243	16	16	32

*Does not include transfers

TABLE 13. — *Mental Disorders of All Admissions, All Discharges, All Deaths, 1934, All Cases in Residence and All Cases Out of on September 30, 1934, by Status of Admission and Sex* — Continued

	MENTAL DISORDERS						RESIDENT POPULATION						PATIENTS OUT ON VISIT, ETC. ^a					
							FIRST ADMISSIONS			READMISSIONS			FIRST ADMISSION			READMISSIONS		
							M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Psychoses Due to or Associated with Infection:</i>																		
Syphilis of the central nervous system:																		
Meningo-encephalitic type (general paresis)							41	10	51	16	7	23	6	2	8	2	3	5
Meningo-vascular type (cerebral syphilis)							4	2	6	1	3	4						
With intracranial gumma.							1	—	1	—	—	—	1	—	—	—	—	—
Other types.							1	1	2	—	—	—	1	—	1	—	—	—
With epidemic encephalitis.							8	5	13	2	4	6	2	—	2	2	2	2
With tuberculous meningitis.							1	—	1	—	—	—	—	—	—	—	—	—
With other infectious disease.							1	1	2	—	—	—	—	—	—	—	—	—
Post-infectious psychoses.							—	—	—	—	—	—	—	1	1	—	—	—
<i>Psychoses Due to Intoxication:</i>																		
Due to Alcohol:																		
Pathological intoxication.							—	1	1	—	—	—	2	—	2	—	—	—
Delirium tremens.							5	—	5	1	—	—	1	1	2	—	—	—
Kowakow's psychosis.							6	1	7	—	—	2	1	—	1	—	—	—
Acute hallucinosis.							7	4	11	3	—	3	3	—	3	—	—	—
Other types.							52	9	61	20	2	22	5	1	6	2	—	2
Due to drugs or other exogenous poisons:																		
Due to gases.							—	—	—	—	—	—	1	—	1	—	—	—
Due to other drugs.							—	—	—	—	—	—	—	—	—	—	1	1
<i>Psychoses Due to Trauma:</i>																		
Traumatic delirium.							2	—	2	—	—	—	1	—	1	—	—	—
Post-traumatic personality disorders.							3	1	4	—	—	—	1	—	1	—	—	—
Post-traumatic mental deterioration.							2	—	2	1	—	1	1	—	1	—	—	—
Other types.							1	—	1	—	—	—	—	—	—	—	—	—
<i>Psychoses Due to Disturbance of Circulation:</i>																		
With cerebral arteriosclerosis.							82	79	161	5	16	21	10	9	19	1	2	3
With cerebral embolism.							—	—	2	—	—	—	—	—	—	—	—	—
With cardio-renal disease.							1	2	3	—	—	—	—	—	—	—	—	—
Other types.							—	—	—	—	—	—	1	—	1	—	—	—
<i>Psychoses Due to Convulsive Disorders (Epilepsy):</i>																		
Epileptic deterioration.							2	7	9	3	—	3	—	—	—	2	—	2
Epileptic clouded states.							7	5	12	—	4	4	—	3	3	—	1	1
Other epileptic types.							—	—	—	—	—	—	1	—	1	—	—	—
<i>Psychoses Due to Disturbances of Metabolism, Growth, Nutrition or Endocrine Function:</i>																		
Senile psychoses:																		
Simple deterioration.							6	14	20	—	1	1	—	—	—	—	—	—
Presbyophrenic type.							2	3	5	—	—	—	—	—	—	—	—	—
Depressed and agitated types.							3	2	5	—	—	—	—	2	2	—	—	—
Paranoid types.							5	14	19	1	—	1	—	—	—	1	—	1

TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1934, All Cases in Residence and All Cases Out on September 30, 1934, by Status of Admissions and Sex — Concluded*

	MENTAL DISORDERS	RESIDENT POPULATION						PATIENTS OUT ON VISIT, ETC.					
		FIRST ADMISSIONS			READMISSIONS			FIRST ADMISSION			READMISSIONS		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Involuntional psychoses:		8	22	30	2	6	8	1	4	5	1	1	1
Melancholia													
Paranoid types		2	8	10	—	1	1	—	1	1	—	—	—
Other types		—	2	2	—	—	—	—	1	1	—	—	—
With diseases of the endocrine glands		—	1	1	—	1	1	—	1	1	—	—	—
Exhaustion delirium		—	1	1	—	—	—	—	—	—	—	—	—
Alzheimer's disease		—	1	1	—	—	—	—	—	—	—	—	—
With pellagra		—	—	—	—	—	—	—	—	—	—	—	—
With other somatic diseases		4	1	5	1	—	1	3	3	6	—	—	—
Psychoses Due to New Growth:													
With other neoplasms		—	—	—	—	—	—	—	—	—	—	—	—
Psychoses Due to Unknown or Hereditary Causes, but Associated with Organic Changes:													
With multiple sclerosis		—	—	—	—	—	—	—	1	1	—	—	—
With paralysis agitans		1	—	1	—	—	1	1	1	1	—	—	—
With Huntington's chorea		—	2	2	—	—	—	—	—	—	—	—	—
With other brain or nervous diseases		9	7	16	2	2	4	—	—	—	2	—	2
Disorders of Psychogenic Origin or Without Clearly Defined Tangible Cause or Structural Change:													
Psychoneuroses:													
Anxiety hysteria		1	—	1	—	—	—	—	1	1	—	—	—
Conversion hysteria		—	—	—	—	—	—	—	—	—	—	—	—
Anesthetic type		—	1	1	—	—	—	—	—	—	—	—	—
Paralytic type		—	—	—	—	—	—	—	—	—	—	—	—
Hyperkinetic type		1	—	1	—	1	1	—	—	—	—	—	—
Mixed hysterical psychoneurosis		1	—	1	—	—	—	—	—	—	—	—	—
Psychasthenia or compulsive states:													
Obsession		—	1	1	1	1	1	1	—	1	—	—	—
Phobia		—	—	—	—	—	—	1	1	1	1	—	1
Mixed compulsive states		—	—	—	—	—	—	1	1	1	—	—	—
Neurasthenia		—	—	—	—	1	1	—	1	1	—	—	—
Hypochondriasis		—	5	5	—	1	1	3	1	4	1	1	1
Reactive depression		—	—	—	—	—	—	1	—	1	—	—	—
Anxiety state		3	—	3	—	—	—	—	—	—	—	—	—
Mixed psychoneurosis		1	1	2	—	—	—	—	—	—	—	—	—
Manic-depressive psychoses:													
Manic type		7	9	16	14	28	42	5	3	8	7	9	16
Depressive type		28	28	56	20	19	39	8	6	14	3	5	8

TABLE 14. *Discharges of Patients Classified with References to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	1	6	—	—	—	5	1	6	—	—	—
With other forms of syphilis	1	1	2	—	—	—	1	1	2	—	—	—
With epidemic encephalitis	1	1	2	—	—	—	1	1	2	—	—	—
With other infectious diseases	1	—	1	—	—	—	1	—	1	—	—	—
Alcoholic psychoses	20	2	22	—	—	—	19	2	21	1	—	1
Due to drugs, etc.	3	2	5	—	—	—	3	2	5	—	—	—
Traumatic psychoses	1	—	1	—	—	—	1	—	1	—	—	—
With cerebral arteriosclerosis	14	12	26	—	—	—	12	10	22	2	2	4
With other disturbances of circulation	—	1	1	—	—	—	—	1	1	—	—	—
With convulsive disorders (epilepsy)	3	5	8	—	—	—	3	5	8	—	—	—
Senile psychoses	—	1	1	—	—	—	—	1	1	—	—	—
Involuntal psychoses	2	8	10	—	—	—	2	8	10	—	—	—
Due to other metabolic diseases, etc.	3	4	7	—	—	—	3	4	7	—	—	—
With organic changes of nervous system	3	—	3	—	—	—	3	—	3	—	—	—
Psychoneuroses	7	7	14	2	—	2	5	7	12	—	—	—
Manic-depressive psychoses	30	23	53	—	—	—	29	23	52	1	—	1
Dementia praecox	40	65	105	—	—	—	37	63	100	3	2	5
Paranoia and paranoid conditions	1	4	5	—	1	1	1	3	4	—	—	—
With psychopathic personality	2	—	2	1	—	1	1	—	1	—	—	—
With mental deficiency	5	3	8	—	—	—	5	3	8	—	—	—
Without psychoses	1	—	1	—	—	—	—	—	—	—	—	—
Primary behavior disorders	1	—	1	—	—	—	—	—	—	—	—	—
Total	144	140	284	3	1	4	132	135	267	7	4	11

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharge during 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	—	5	1.06	—	1.06
With other forms of syphilis	1	1	2	.04	.20	.12
With epidemic encephalitis	—	1	1	—	.62	.62
With other infectious diseases	1	—	1	1.50	—	1.50
Alcoholic psychoses	17	1	18	.37	.87	.40
Due to drugs, etc.	2	1	3	.77	.37	.64
Traumatic psychoses	1	—	1	.12	—	.12
With cerebral arteriosclerosis	13	8	21	.38	.30	.35
With convulsive disorders (epilepsy)	3	5	8	3.07	.72	1.60
Involuntal psychoses	2	5	7	1.44	.76	.95
Due to other metabolic diseases, etc.	3	4	7	2.86	1.57	2.12
With organic changes of nervous system	2	—	2	.12	—	.12
Psychoneuroses	6	4	10	.74	1.17	.91
Manic-depressive psychoses	19	13	32	1.72	1.72	1.72
Dementia praecox	26	54	80	.99	.61	.74
Paranoia and paranoid conditions	1	4	5	1.50	4.12	3.60
With psychopathic personality	2	—	2	2.40	—	2.40
With mental deficiency	3	2	5	.97	.98	.98
Without psychoses	1	—	1	.04	—	.04
Primary behavior disorders	1	—	1	.12	—	.12
Total	109	103	212	1.04	.94	.99

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	Total			With syphilitic meningoenkephalitis		With other forms of syphilis		With epidemic encephalitis		Alcoholic psychoses		Traumatic psychoses		With cerebral arterio-sclerosis		With other disturbances of circulation		With convulsive disorders (epilepsy)	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.
<i>Infectious and Parasitic Diseases:</i>																			
Dysentery	3	1	4	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-
Erysipelas	1	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Lethargic encephalitis (epidemic)	1	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system	6	9	15	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
Tuberculosis of other organs	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis (non-nervous forms)	5	1	6	1	1	2	4	4	-	-	-	-	-	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>																			
Cancer and other malignant tumors	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of Blood and Blood-making Organs:</i>																			
Leukemias and pseudo-leukemias	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Chronic Poisonings and Intoxications:</i>																			
Alcoholism (acute or chronic)	1	-	1	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>																			
Cerebral hemorrhage	1	3	4	-	1	1	-	-	-	-	-	-	-	1	-	1	-	-	-
General paralysis of the insane	17	5	22	17	5	22	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System:</i>																			
Pericarditis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute endocarditis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic endocarditis (valvular disease)	2	2	4	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Diseases of the myocardium	31	27	58	-	-	-	-	-	-	3	1	4	1	18	10	28	-	1	1
Diseases of the coronary arteries and angina pectoris	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the heart	2	7	9	-	-	-	-	-	-	-	-	-	-	1	2	3	-	-	-
Arteriosclerosis	24	44	68	-	-	-	-	-	-	-	-	-	-	23	34	57	-	-	-
<i>Diseases of the Respiratory System:</i>																			
Bronchopneumonia (including capillary bronchitis)	2	12	14	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia	3	14	17	-	1	1	-	-	-	-	-	-	-	1	2	3	-	1	1
Other diseases (tuberculosis excepted)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System:</i>																			
Diarrhea and enteritis	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hernia, intestinal obstruction	1	1	2	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-
<i>Diseases of the Genito-Urinary System:</i>																			
Nephritis (acute, chronic and unspecified)	2	1	3	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Other diseases of the kidneys and ureters (puerperal diseases excepted)	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
<i>Diseases of the Skin and Cellular Tissue</i>																			
Violent and Accidental Deaths:																			
Suicide	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental poisoning	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill-defined Causes of Death:																			
Ill-defined Causes of Death:	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	111	142	253	18	8	26	4	1	5	5	2	7	1	50	59	109	3	1	4

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

CAUSES OF DEATH	Senile psychoses		Involutional psychoses		Due to other metabolic diseases, etc.		Due to new growth		With organic changes of nervous system		Manic-depressive psychoses		Dementia praecox		Paranoia and paranoid conditions		With mental deficiency	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>																		
Dysentery	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lethargic encephalitis (epidemic)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system	-	-	-	1	1	1	-	-	-	-	1	1	4	6	10	-	-	-
Tuberculosis of other organs	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis (non-nervous forms)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>																		
Cancer and other malignant tumors	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	1	-	-
<i>Diseases of the Blood and Blood-making Organs:</i>																		
Leukemias and pseudo-leukemias	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
<i>Chronic Poisonings and Intoxications:</i>																		
Alcoholism (acute or chronic)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>																		
Cerebral hemorrhage	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
<i>Diseases of the Circulatory System:</i>																		
Pericarditis	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
Acute endocarditis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic endocarditis (valvular disease)	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-
Diseases of the myocardium	2	5	7	-	-	1	1	-	-	-	2	3	5	4	2	6	1	1
Diseases of the coronary arteries and angina pectoris	-	-	-	1	1	-	-	-	-	-	-	1	1	-	-	-	1	1
Other diseases of the heart	-	1	1	-	-	-	-	-	-	-	-	1	1	-	2	2	-	-
Arteriosclerosis	1	8	9	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-
<i>Diseases of the Respiratory System:</i>																		
Bronchopneumonia (including capillary bronchitis)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia	1	2	3	-	-	-	-	-	-	-	1	1	1	3	4	-	-	-
Other diseases (tuberculosis excepted)	1	2	3	1	1	-	-	-	-	-	3	3	1	3	4	-	-	-
<i>Diseases of the Digestive System:</i>																		
Diarrhea and enteritis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hernia, intestinal obstruction	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
<i>Diseases of the Genito-Urinary System:</i>																		
Nephritis (acute, chronic and unspecified)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the kidneys and ureters (puerperal diseases excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and Cellular Tissue:</i>																		
Violent and Accidental Deaths:																		
Suicide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental poisoning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ill-defined Causes of Death</i>																		
Total	5	19	24	1	8	9	-	3	3	-	1	1	1	1	1	1	3	4
											4	10	14	16	22	38	2	2
											-	-	-	-	-	-	1	1
											-	-	-	-	-	-	-	2
											-	-	-	-	-	-	-	4

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

Psychoses	50-54 years			55-59 years			60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	3	2	5	2	2	4	2	1	3	4	-	4	-	-	1	-	-	-	-	-	-	-	-	-
With other forms of syphilis	-	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	-	-	-	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	2	2	4	3	1	4	9	13	22	9	5	14	13	10	23	7	9	16	6	11	17	3	6	9
With other disturbances of circulation	1	-	1	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	1	1	-	2	2	1	4	5	3	4	7	-	4	4	-	2	2
Senile psychoses	-	-	-	-	-	-	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntary psychoses	-	-	-	1	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	1	1	2	1	1	2	-	3	3	-	1	1	-	1	1	1	-	-	-	-	-	-	-	-
Dementia praecox	2	2	4	-	-	-	-	-	-	1	-	1	1	1	2	1	2	3	-	1	1	-	-	-
Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	1	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	10	8	18	7	11	18	16	22	38	14	8	22	17	19	36	12	16	28	6	17	23	3	8	11

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

PSYCHOSES	Total		Less than 1 month			1-3 months			4-7 months			8-12 months			1-2 years			3-4 years		
	M.	F.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	18	8	26			4	3	7	3		3	4		4	2	2	4	2	1	3
With other forms of syphilis	4	1	5						2	2	2			1	1		1			
With epidemic encephalitis		1	1							1	1									
Alcoholic psychoses	5	2	7			3		3			1	1		1		1	1	1		1
Traumatic psychoses	1																			
With cerebral arteriosclerosis	50	59	109			13	21	34	11	5	16	3	2	5	6	3	9	1	3	4
With other disturbances of circulation	3	1	4			2		2								1	1	1		1
With convulsive disorders (epilepsy)		2	2																	
Senile psychoses	5	19	24						1	2	3	3	3		1	2	3	1	3	4
Involuntary psychoses	1	8	9																1	1
Due to other metabolic diseases, etc.		3	3																1	1
Due to new growth		1	1																	
With organic changes of nervous system	1	10	14																	
Manic-depressive psychoses	4	10	14			1	2	3		1	1	1	1	1		3	3	1	1	2
Dementia praecox	16	22	38			3	2	5		2	2	2	2	4	3	5	8	1	2	3
Paranoia and paranoid conditions		1	3			1		1												
With mental deficiency	2	2	4													1	1			
Total	111	142	253			24	35	59	17	12	29	10	8	18	13	19	32	8	12	20

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded

PSYCHOSES	5-6 years			7-8 years			9-10 years			11-12 years			13-14 years			15-19 years			20 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis																					
With other forms of syphilis																					
With epidemic encephalitis	1	1	2	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	2	2	-	1	2	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	2	-
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	2	2	4	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-
Involuntary psychoses	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	1	1	2	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	1	1	2	-	-	-	-	-	2	-	-	-	-	-	-	1	1	2	5	3	8
Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	1	-	1	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	1	-	1
Total	8	8	16	3	1	4	-	5	5	-	2	2	1	2	3	1	2	3	6	8	14

TABLE 19. *Average Length of Hospital Residence during the Present Admission of All First Admission Cases in Residence on September 30, 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	41	10	51	4.07	5.08	4.27
With other forms of syphilis	6	3	9	2.98	10.15	5.38
With epidemic encephalitis	8	5	13	4.63	3.30	4.88
With other infectious diseases	1	1	2	.45	.45	.45
Alcoholic psychoses	70	15	85	5.84	8.22	6.26
Traumatic psychoses	8	1	9	7.24	.45	6.48
With cerebral arteriosclerosis	82	79	161	2.60	3.73	3.16
With other disturbances of circulation	1	4	5	12.50	10.74	11.09
With convulsive disorders (epilepsy)	9	12	21	6.17	5.16	5.59
Senile psychoses	16	33	49	3.48	5.91	5.12
Involuntional psychoses	10	32	42	5.49	5.21	5.28
Due to other metabolic diseases, etc.	4	4	8	3.73	4.99	4.36
With organic changes of nervous system	10	9	19	4.79	6.26	5.49
Psychoneuroses	7	9	16	5.21	2.82	3.87
Manic-depressive psychoses	40	48	88	4.96	10.09	7.76
Dementia praecox	334	414	748	8.73	7.04	8.11
Paranoia and paranoid conditions	3	6	9	.80	9.49	6.59
With psychopathic personality	5	4	9	6.69	8.74	7.60
With mental deficiency	64	97	161	8.65	7.15	7.75
Without psychoses	5	2	7	.45	.45	.45
Total	724	788	1,512	6.75	6.98	6.87

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmissions Cases in Residence on September 30, 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	16	7	23	6.12	8.78	6.93
With other forms of syphilis	1	3	4	7.50	3.15	4.24
With epidemic encephalitis	2	4	6	4.00	5.24	4.83
Alcoholic psychoses	26	2	28	8.99	12.50	9.24
Traumatic psychoses	1	—	1	3.50	—	3.50
With cerebral arteriosclerosis	5	16	21	2.89	5.24	4.68
With convulsive disorders (epilepsy)	3	4	7	3.15	15.00	9.92
Senile psychoses	1	1	2	3.50	.45	1.98
Involuntional psychoses	2	7	9	6.00	6.92	6.72
Due to other metabolic diseases, etc.	1	1	2	12.50	1.50	7.00
With organic changes of nervous system	3	2	5	8.17	7.00	7.70
Psychoneuroses	2	5	7	6.00	2.48	3.49
Manic-depressive psychoses	39	61	100	5.93	6.72	6.41
Dementia praecox	164	217	381	9.94	9.63	9.76
Paranoia and paranoid conditions	3	6	9	1.48	7.67	5.61
With psychopathic personality	5	1	6	5.29	.45	4.48
With mental deficiency	24	47	71	10.54	9.14	9.61
Total	298	384	682	8.67	8.63	8.65

TABLE 20. *Family Care Statistics for Year Ended September 30, 1934*

	Males	Females	Total
Remaining in Family Care September 30, 1933	—	8	8
On Visit from Family Care September 30, 1933	—	2	—
Admitted to Family Care during the Year	—	2	2
Whole Number of Cases within the Year	—	10	10
Discharged from Family Care within the Year:			
Returned to Institution	—	1	1
Remaining in Family Care September 30, 1934	—	9	9
On Visit from Family Care September 30, 1934	—	—	—
Average Daily Number in Family Care during Year	—	9	9
Supported by State	—	8	8
Reimbursing	—	1	1
Private	—	1	1

The Commonwealth of Massachusetts

58th

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30,

1935

DEPARTMENT OF MENTAL DISEASES



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DEPARTMENT OF MENTAL DISEASES
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TRUSTEES' REPORT

To His Excellency, the Governor and the Honorable Council:

The Trustees of the Danvers State Hospital respectfully offer the following annual report, including the report received by us from the Superintendent and the reports received by him from the various departments:

The Board has continued to hold monthly meetings at the hospital for conference with the Superintendent concerning the development of the institution and the upkeep of the plant.

During the present year certain important projects have been completed.

On the wards, both male and female, fireproof staircases have been constructed to replace the old wooden staircases.

All obsolete wiring has been replaced with modern wiring in conduit, excepting the Colony.

There is a new water tank, providing increased pressure for the sprinkler system. This sprinkler has been modernized in the A and J buildings.

New Hydrotherapy buildings have been constructed, which are exceptionally well-equipped to provide this special treatment.

We now have a direct connection with the Danvers electric power line, which is very important in the event of a breakdown in our plant and the utilization of power at a time when our boiler pressure is kept low, that is, in the warmer months of the year.

A new fire alarm signal system has recently been installed and is nearly completed. We are in need of a fire-fighting kit which can be used without delay in response to the alarm. We recommend the purchase of a motorized fire-fighting equipment, to be kept in the Garage Building ready for immediate use. This equipment should include two 100-gallon chemical tanks, 1,000 feet of hose, ladders, axes, and other accessories, at a total cost of about \$4,000.

We again call attention to the needs of the institution, which were requested in the previous messages:

A new building on both the male and female sections, and connected with the present buildings, to better provide for the infirm and convalescent patients, these buildings to be approximately of the same size and shape as our present ward buildings, and to house approximately two hundred more patients on each side. This will aid greatly in relieving the present congestion on certain wards.

A new tubercular building, which will accommodate both male and female patients.

At the present time three new boilers are being installed and it is planned to utilize oil-burning equipment. However, we believe that new machinery should be provided and that the size of the Power House should be enlarged to cope with the growth of the institution since during this past year we have seen the largest number of patients in the history of the hospital (2,250).

The Chapel should be enlarged to accommodate three times the number of patients that it now will care for. This will mean making room for some thirty-five employees now quartered in the Rear Center section, in order to follow through with this contemplated reconstruction.

At this time we would call attention to the fact that both the Front and Rear sections of the Administration Building should have other means of egress than that which now exists. The ideal plan for the Front Center would be a fireproof staircase extending from the fourth floor and with an outside exit on the ground. As to the Rear Center, plans have long been recommended to do away with the section and increase the size of the Chapel with modern construction. Therefore, at this time it does seem feasible to recommend the type of staircase mentioned as desirable for the Administration Building, Front section.

For some time we have realized that the roofs of the main building need attention. In some instances the foundation boards show deterioration. Therefore, the slate shingles cannot be secured properly. This would mean extensive alterations of a difficult nature. It might be well in making this recommendation to request that one building be done at a time.

We have long felt that the Danvers State Hospital has now reached a population so large that an acute reception building would be highly advisable. This building would provide facilities for the care of acute cases and we would expect that many cases given intensive treatment over a short time, separated from the more chronic cases, would have a better opportunity to get well. This feature would, of course, again be a splendid opportunity to relieve the present congestion.

We are greatly in need of room for our employees and would request the building of a home for married couples. This would also permit of room space for the employees now quartered in the section known as Rear Center, and which would be removed in the event of the enlargement of the Chapel.

We again make the request of fireproofing the entire first floor. This would be a splendid step forward in fireproofing the institution and would serve as a preventive measure in basement fires, and, coupled with the sprinkler system in the attic, would safeguard our patients in the event of fire.

With the added number of new employees, the laundry should be enlarged and reconstructed in order to do more efficient work and to be in position to accept the greater volume which it now has to meet. In connection with the laundry, We would report that we should replace two old wooden laundry washers with modern washers. One drying tumbler and one extractor is needed.

We would recommend re-wiring Middleton Colony, the power plant, service building, industrial building and barn, also the passageways from wards to dining hall.

The sprinkler system has been modernized in the A building and in the J Building. We strongly urge that this modernization be continued to the B, C, D, F, G, H and I buildings, to include new pipe fittings and risers from the basement, also a sprinkler system at Middleton Colony.

Under the heading "Repairs and Renewals" we are requesting certain needs that should be given attention:

1. Reshingling roofs, Middleton Colony.
2. Repairs to Stone Crusher.
3. Replacing of kitchen equipment, Middleton Colony.
4. Renewal of hot water mains.
5. Metal screens, hydrotherapy buildings.
6. Transformers.
7. Replacement of piazza, Harrington Building, Middleton Colony.
8. Replacement of Center Building, hennery, with fireproof building.
9. Repairs to Cottage No. 9.
10. Conduits, cabinets, etc. in tunnels.

We are requesting an appropriation under this heading of \$13,355.

Respectfully submitted,

MR. S. HERBERT WILKINS, *Chairman*

DR. ARTHUR C. NASON

MR. JAMES F. INGRAHAM

MRS. ANNIE T. FLAGG

MR. THOMAS D. RUSSO

MR. H. C. MCSTAY

MRS. ANNA P. MARSH

Trustees.

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-eighth annual report of the Superintendent for the fiscal year ending November 30, 1935, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1935.

MOVEMENT OF POPULATION

The hospital year opened on October 1, 1934 with 2,194 patients in the hospital, 282 on visit, 12 on escape and 9 in family care, making a total of 2,497.

The year ended on September 30, 1935, with 2,201 patients in the hospital, 336 on visit, 11 on escape and 11 in family care, making a total of 2,559.

The number of admissions during the year were: 521 male; 432 female; total 953, an increase of 40 over the preceding year.

There were 4 voluntary patients admitted during the past year; 26 patients were transferred from other institutions; 312 men and 251 women were admitted on temporary care papers and 79 men and 54 women were admitted on thirty-five day observation papers.

FIRST ADMISSIONS

There were 581 patients admitted to this or any hospital for the first time, which is a decrease of 81 over the preceding year.

DAILY POPULATION

The total average population for the year ending September 30, 1935 was 2,176, an increase of 15 over last year. There were 3,450 patients treated during the year as compared with 3,415 in 1934.

Three hundred patients died in the institution during the year, which is 25 more than the preceding year.

DISMISSALS

Five hundred ninety-two patients were discharged from the institution during the past year; 335 men and 257 women. Classified as to their condition on discharge: 48 recovered; 328 as improved; 391 as unimproved; and 125 as without psychosis. The figures for the preceding year were as follows: 44 recovered; 318 as improved; 38 as unimproved; and 146 as without psychosis.

On September 30, 1935 there were 336 patients on trial visit in care of friends or under hospital supervision as compared with 303 in 1934.

Since the organization of the hospital, 34,021 patients have been admitted and 31,561 discharged.

MEDICAL ADMINISTRATION

The following changes in the personnel of the Staff occurred during the year:

Appointments

Dr. Flora M. Remillard, appointed Assistant Physician July 1, 1935.

Dr. Doris M. Sidwell, promoted from position of Assistant Physician to Senior Physician November 1, 1935.

Resignations

Dr. Salomon Gagnon, resigned March 10, 1935, to accept position of Assistant Superintendent at Metropolitan State Hospital.

Clinical Assistants

Bernice D. Rosenthal, Woman's Medical College of Pennsylvania.

James F. Seccareccio, Tufts Medical College.

Charles A. Currier, Tufts Medical College.

Ralph P. McCarthy, Georgetown University.

Students in Laboratory

H. Parker Wetherbee

Arthur H. Ruggles, Jr.

MEDICAL SERVICE

This service, under the direction of the assistant superintendent, has continued to function efficiently as in former years. Several changes have been made in personnel due to promotions of various staff members. The regular daily staff conferences for the purpose of discussing diagnosis, discharge, and visit of patients have continued throughout the year as well as the usual daily and weekly night ward rounds. The number of cases of bacillary dysentery (His-Y type) has been steadily diminishing and because of the careful segregation of cases has presented a much less serious problem than in former years.

The usual periodical physical and x-ray examinations of nurses in training have been carefully carried out and a routine physical examination has been instituted before an applicant was accepted for any position.

The sixteen-lecture course in Psychiatry given to the various schools of nursing in Essex County last year was repeated this year because of the numerous requests. The first lecture was given in October to about 125 nurses from the various nursing schools. The different members of the staff have also continued their lectures in connection with the training school as well as to the four classes of affiliating nurses and two classes of Occupational Therapy students. Sixteen fourth-year medical students from Tufts Medical School have each spent a month at the hospital where they received training in Psychiatry. Many demands have been made upon the staff for speakers for different societies, clubs, lodges and associations and during the year 60 such speaking engagements have been filled by the various staff members. In May a course of lectures in Psychiatry was given by the assistant superintendent to a group of lawyers from neighboring towns. This course was greatly appreciated as it brought out a more thorough understanding of Psychiatric terminology.

The physicians and surgeons of the consulting board have been faithful throughout the year and have rendered an invaluable service by their untiring efforts in helping us solve the many special problems, which are bound to arise in so large a community.

In October, 1935, Dr. M. Gene Black of Dedham was appointed by the Department of Mental Diseases to carry on an intensive study of the tuberculosis problem.

A routine examination of all patients and an x-ray examination of all suspicious cases have been made. Most of the cases under treatment were in the inactive state and all active cases were properly isolated on wards well suited for the purpose.

The following work was accomplished in the operating room and dressing rooms during the year:

OPERATIONS

Blood transfusions, 2; colporrhaphy, 1; cystotomy (supra pubic—prostatic), 1; dilatation and curettage, 1; drainage of hydrocele, 1; evisceration of right eye, 1; excision of hydrocele sac, 1; excision of wen right side of face, 1; excision of wen of forehead, 1; fasciotomy—tendon transplanter, 1; halux valgus, 1; hemorrhoidectomy, 2; herniorrhaphy, 1; herniotomy, 3; hysterectomy, 1; incision and drainage of right breast, 1; incision and drainage of right hand, 1; incision and drainage of right frontal sinus, 1; incision and irrigation of right elbow, 1; laparotomy (exploratory), 2; laparotomy, 3; manipulation of feet, 1; oophorectomy unilateral, 1; perineorrhaphy, 1; prostatectomy (supra pubic), 1; removal of cervical polyp, 1; resection of ribs, 1; salpingo-oophorectomy (left), 1; suspension of uterus (Baldy Webster), 1; suturing of laceration and ligation of severed artery, (right wrist), 1; tonsillectomy, 3; punctures, spinal, 190; punctures, venal, 1,058; surgical dressings and treatments, 18,125.

Prophylactic Treatments

Dick tests, (scarlet fever), 103; Schick tests, (Diphtheria), 1,373; tuberculin tests, 3,232; typhoid inoculations, 1,123; vaccinations, 50.

Antisymphilitic Treatments

Bismuth, 660; mercuric salicylate, 154; neoarsphenamine, 330; tryparsamide, 401.

HYDROTHERAPY DEPARTMENT

During the past year the hydrotherapy departments have been closed owing to extensive alterations, which will enlarge and modernize the suites. Because of this, the tonic bath treatments have been generally reduced, with the result that only 6 patients were treated during the year with 123 various types of tonic bath treatments. Now that the hydrotherapy suites are nearing completion it is hoped that, with the modern equipments, being installed, a vast number of cases will be treated during the coming year and that more patients will be able to return to the community in an improved condition.

The wet sheet pack and continuous bath treatments have constantly been used as indicated by the following table:

Wet sheet pack:	Men	Women	Total
Number of patients treated	240	527	767
Number of packs given	4,128	15,733	19,861
Number of hours of treatment	11,610	43,622	55,232
Continuous baths:			
Number of patients treated	107	251	358
Number of baths given	2,488	2,253	4,741
Number of hours of treatment	5,300	7,892	13,192

PHYSIOTHERAPY DEPARTMENT

The physiotherapy department has continued to function actively throughout the past year with a trained physiotherapist in charge. Students from the nursing service have served part of their time in this department, where they have received training in technic in all electro therapy methods as well as massage.

A total of 11,379 treatments were administered during the year ending November 30, 1935. They were as follows: Infra red, 4,938; diathermy, 1,983; sine wave, 2,274; ultra violet (air cooled), 704; ultra violet (water cooled), 320; auto-condensation, 266; massage, 894.

PERSONAL HYGIENE DEPARTMENT

During this past year a full time personal hygienist has been in attendance and thus the work of this department has been greatly increased over that of the

preceeding year. The untidy and deteriorated patient has been given special attention and the results are gratifying.

With the year ending November 30, 1935, a total of 14,831 treatments were given as follows: Hair cuts, 4,367; shampoos, 2,602; manicures, 2,443; waves, 2,265; massages, 1,630; scalp treatments, 1,524.

VENEREAL CLINIC

This important service has been maintained throughout the year with the various arsenical preparations being used. These have been supplemented by mercury, and bismuth salts, as well as potassium iodide during the rest period. In selected cases malarial therapy has been used with the usual gratifying results. Two days per week have been devoted to these treatments because of the large number of cases requiring treatment.

DENTAL SERVICE

This department has been active during the year. The work has been carried on by a full-time dentist, assisted by a dental hygienist. As in former years, all newly admitted cases have been given a thorough examination and any prophylactic work, which would enhance the patients' health, has been done. A survey of the work accomplished during the past year is indicated in the following table:

Cleanings	423
Extractions	1,085

Fillings: Silver amalgam, 591; silver cement and silver amalgam, 6; porcelain, 271; zinc oxide and eugenol, 193; cement, 3; Gutta Percha, 5; Kryptex, 46; total, 1,115.

Prosthetics: Completed full plates, 29; completed partial plates, 5; completed bridges, 5; repaired full plates, 11; repaired partial plates, 8; miscellaneous corrections, 136.

Oral Treatments: Vincent infections, canker sores, gingivitis, abscesses, 964. Broken jaw, 2.

Miscellaneous: Referred to x-ray, 80; new patients examined, 808; re-examinations, 438; total number of patients treated, 3,317; lectures, 6.

X-RAY DEPARTMENT AND LABORATORY SERVICE

These services have continued to be of great help to the medical service. About the usual amount of work has been accomplished during the year. The director has devoted his entire time to the usual routine procedures. The following table indicates the work completed for the fiscal year ending November 30, 1935:

Autopsies, 46; bacterial cultures (including blood cultures), 22; basal metabolism determinations, 17.

Blood chemistry: Blood sugar, 20; N. P. N., 3.

Blood examinations: Red blood cell counts, 1,126; white blood cell counts, 1,154; differential counts, 266; hemoglobin determinations, 1,126; coagulation time, 6; bleeding time, 6; blood matching for transfusion, 4; reticulocytes and platelets, 1.

Bacteriological smears (gynecological, etc.), 224.

Pleural fluid examinations, 6.

Spinal Fluids: Gold sols, 169; cell counts, 96; globulin, 96; sputum examinations (for T. B.), 60; stomach contents, 1; stool examinations, 45; tissues sectioned and stained, 148; urinalyses, 3,754.

X-Ray: cases, 790; exposures, 1,365.

PUBLICATIONS

The following papers have been published during the year:

1. "Mental Health, Happiness and Efficiency" by Dr. Clarence A. Bonner, published in the July Scientific Monthly, Volume XLI (July to December) 1935.

2. "Report of a Fatal Case of Fluoride Poisoning" by Dr. Leo Maletz, published in the New England Journal of Medicine, August 22, 1935, Volume 213, No. 8, pages 370-372.

3. "What the Danvers State Hospital Stands for in Treatment" by Dr. Edgar C. Yerbury, published in the Monthly Bulletin of the Massachusetts Society for Mental Hygiene, September-October, 1935, Volume XIV, No. 7-8.

PSYCHIATRIC CLINICS

These clinics have been an important part of the work of the hospital as many patients on visit have continued to report at regular intervals, during which a careful check-up has been made of the patients on visit. The usual clinics have been held at Gloucester, Haverhill, Lawrence, Lynn, Malden, Newburyport and Salem. Physicians in the community have referred an occasional case for study at these clinics and in each instance a full report has been made to the one referring the case.

ADULT MENTAL HYGIENE CLINIC

No change has been made during the year in the management of this clinic except that Dr. Leo Maletz took over this important work upon the resignation of Dr. Salomon Gagnon, who was appointed Assistant Superintendent of the Metropolitan State Hospital in Waltham. The usual number of cases have been seen each week at the Lynn Hospital, where a careful study is made of them and intensive treatment is carried out. As in former years the students from Tufts College Medical School have continued to attend these clinics as part of their month's psychiatric training.

CONSTRUCTION REPORT

In addition to usual maintenance, the following is the work of the department during the past year:

Carpenters — Relaid slates on roofs. Laid new asphalt shingles. Laid asbestos shingles on walls of Harrington ward at Middleton Colony. Renovated Cottages 1, 3, 5, and 7. Made repairs and improvements to Cottages 2, 6, and 9. Laid linoleum. Made bookcases and cabinets for new medical library. Rebuilt cold storage section of Service Building. Sanded and refinished floors in cottages, wards and center building of Main Group. Built forms for new coal trestle. Made alterations and improvements to Grove Hall, and made alterations to laundry for new mangle.

In the shop, carpenters made step-ladders; bushel boxes for the farm; cases, cupboards and bookcases; doors, sash and frames, including seven refrigerator doors and frames; and repaired furniture of all kinds.

Painters — Prepared and refinished interior of front center building; exterior of laundry building; exterior and interior of kitchen and dining room building; interiors of Cottages 1, 3, 5, and 7; interior of service building; sun porches of main building; outside fire escapes; chain link fences and summer houses in yards; various rooms in ward buildings; refinished and painted various furniture and beds; prepared top floors of ward buildings for new painting; set 1,600 lights of glass and papered three cottages.

Masons — Poured and finished concrete floors in basement; patched and plastered in wards and administration building; put cement lining on cork in refrigerators of service building; built new catch-basins and put in drains; put in tile floors; built concrete curbs for drives; plastering and repairs in service building and Grove Hall; repaired boiler settings; repointed exterior brick walls; put in cement walks; poured concrete coal trestle; relaid rails in basements; put in foundation for mangle in laundry and did miscellaneous plastering and brickwork for repairs throughout buildings of institution.

Blacksmith — Shod horses; sharpened and made tools; repaired wagons, trucks, farm machinery and tractor; repaired boiler grate bars; made pipe hangers, window grilles and other light iron; repaired fire escapes and made miscellaneous iron work and hardware for other trades.

ENGINEER'S REPORT

The major accomplishments of the Engineering Department for the fiscal year ending November 30, 1935, were as follows:

The cold storage rooms at the Service Building were divided up into smaller rooms and each room was equipped with automatic temperature control. An entire new system of wiring for lights was installed.

The old double pipe ammonia condenser at the power plant was replaced in March by a Guild vertical condenser. The cost was about \$900. A conservative

estimate of water consumption showed a saving of about \$1,000 per year in water, due to this new condenser.

The 150 K.W. Ridgeway engine was re-bored and a speed changer installed in the flywheel. This change was very necessary as we could not operate in parallel with Danvers otherwise.

Danvers current was connected to our switchboard in July and was used entirely until the heating season.

The ammonia compressor at the power plant was overhauled and new feathers installed in the ammonia valves. New piston rods were also put in.

The small refrigerator boxes in A-1, 2, 3, and J-1 and 2 were replaced with electric boxes. This change allowed the removal of over 3,600 feet of cork-covered brine lines and two brine booster pumps. This old equipment was in very poor condition. The change will greatly reduce the cost of refrigeration at these points.

In addition to the above-named places, we installed electric boxes in places where ice was formerly used. The new locations are as follows: Female T.B., B-1, D-1, and I-1; Dr. Goodman's apartment; Cottage No. 1 and Male T.B. building.

A new sewer line was installed from the Female T.B. to the main line near the greenhouse. This replaced an old tile line which was too near the surface of the road and had been badly broken.

The tile sewer line from the Male T.B. was removed and cast iron pipe put in its place. This work was done to avoid the possibility of a cracked sewer tile allowing leakage of sewage into the reservoir which is nearby.

A new system of plumbing was designed for Grove Hall. New water main to the building and new sewer line from the building were installed. The most of the roughing in has been completed.

The high pressure steam line from "J" building to the Male Home was replaced this year. The old line had become unsafe from corrosion and pitting.

A new flatwork ironer was installed in place of the old one. The new machine has a much greater capacity and thoroughly dries the work. The old machine did not dry properly at the speed necessary to get the work done.

A new electric cable was installed from the transformer room in the head house to the laundry to supply A.C. current for the new mangle and other A.C. machines. This cable was installed large enough eventually to carry the whole laundry load.

This department designed equipment and installed same to convert our 80-gallon coffee urns into coffee percolators. This equipment has been very satisfactory in operation.

The problem was put to this department to design and build several metal tables and racks for the service building cold storage rooms, where meat is stored. The only material on hand was a pile of old three-inch boiler tubes. A design has been completed and the tables and racks are being built. The only materials that had to be purchased were galvanized steel sheets for table tops and a few rivets and bolts.

The problem of finding a practical method of getting food trucks from kitchen to wards was presented to this department. The food trucks had to be able to run inside of an old track through the basements and into elevators. Trucks, after leaving the elevators, had to run on linoleum-covered floors without damage to the linoleum. A design has been worked out, drawings made, and nine trucks have been built.

There have been several contract jobs completed, which include many things which this department has had to supervise to some extent. They are as follows:

A new water tank of 100,000 gallons' capacity was erected on the site of the old tank.

A complete new system of water sprinklers was installed in each of the "A" and "J" building attics.

The rest of the main hospital system of attic sprinklers was equipped with new sprinkler heads and changes made to improve the system.

A new wiring system was installed throughout the main hospital and including the two T.B. buildings, Employees' Home, Male Home, Grove Hall, Carpenter shop and Machine shop.

Two extensive bathhouse additions were completed. These contain a lot of very special plumbing, also refrigeration equipment.

The old coal-fired boilers at Middleton Colony were replaced with new boilers, oil-fired. Two tanks of 6,000 gallon capacity each were installed in one end of the old coal bunkers.

FARM REPORT

Despite a prolonged drought of unequaled severity in recent years, all farm crops yielded a fair return, with the exception of potatoes. These were planted on high ground for the greater part of the acreage and suffered from the lack of moisture most severely. The yield was 2,115 bushels of good quality tubers.

The crop of ensilage corn was not quite up to the yield of former years, but 426 tons were harvested.

The hay crop was better than the previous year, production being 295 tons.

The poultry plant may be said to have had a most satisfactory year: 17,411 dozen eggs; 6,227 lbs. dressed fowl, 5,901 lbs. broilers; and 359 lbs. chicken were sent to the store room.

The supply of garbage from the hospital to the piggery has been very much curtailed, due to the installation of a cafeteria system in the main dining room in the hospital for patients and employees. This has necessitated an increased amount of grain for the hogs, which necessarily has increased the cost of pork production. The amount of dressed pork sent to the meat room was 75,715.

Besides the pork production the birthrate was such that we were able to sell to other institution farms in the department, 90 herd of young pigs, which still left us with all the stouts we could winter under cover.

It is to be regretted that our milk production per cow shows a continuous decrease over the last few years, due in large part, no doubt, to the following causes: First, the presence in the herd of infectious mastitis, resulting in much udder trouble frequently of a serious nature, and occasionally causing a partial or complete loss of milk producing ability. Fortunately, mastitis in the herd is now well under control. Second, a wide-spread incidence of contagious abortion. To overcome the ravages of this disease a well-defined program is being carried out, looking to the ultimate control of this serious ailment of cattle. This program is now being carried out under the direction of Mr. Garrett, Farm Coordinator for the Department, and a competent veterinarian. The nature of this program is such that much improvement will not be apparent for some time. The two unfavorable factors above-mentioned caused considerable breeding trouble, which further lessened the milk supply.

Production from the vegetable garden was well up to the average of former years, the only exception being squash, which was somewhat less than in previous years on account of dry weather.

Much grading was done around the I and J buildings after the old bath house was demolished, and a new up-to-date hydrotherapy building erected in its place. This grading was seeded to grass this fall, and will no doubt be an asset to that particular part of the grounds next summer.

Work has progressed steadily on the filter bed project. The cement work and piping has been dug out and removed, and the banks in a large part leveled. The concrete pipe, which takes care of the water in a brook at one time running through the farm, has been extended to a point as near the Ipswich River as was considered practicable for good drainage, covered with about two feet of soil, and the land is now ready for cultivation.

The eight inch iron soil pipe which served Middleton Colony as a sewer before the completion of the South Essex sewer system has been disinterred and removed.

The Culvert under Dayton Street, near the old filter beds, which was very unsightly at both ends, has been neatly graded up and sown to grass seed, which eliminates a poor looking spot on the farm, although not adding much from a utilitarian viewpoint. The complete reclamation of the land occupied by these abandoned filter beds will doubtless furnish work for a period of several years, both for a large group of disturbed patients as well as for the teams which have to be employed during the winter months when regular farm work is in abeyance.

Drain tile has been laid below the cemetery at Middleton Colony, which will make possible the cultivation of a hitherto impassable swamp, adding about three-quarters of an acre to the arable land.

A number of old apple trees well past their usefulness and serving only as hosts and shelter for disease and insects, have been dug up and removed.

Preliminary work has been started on stoning up the sides of the main ditch running from the piggery to the Ipswich River. This project will be carried forward as soon as the ground freezes hard enough to allow teaming to be done on this low land. The object in doing this work is to straighten out and narrow up this ditch which is more or less irregular and in places twelve feet wide.

The old sand pit adjacent to the abandoned Boston and Maine Railroad track was finally completely filled in and graded, and a fair crop of ensilage corn was raised thereon.

The triangular piece of land, part of field No. 9, which was civilized a year ago, was planted this year and a fair crop of string beans was harvested.

A strip of land lying between field No. 16 and the B. & M. right of way was cleaned up this past summer. This land had been unsightly for many years and had served as a dump for all manner of rubbish and debris, but is now cleared completely and will be planted at an early date.

The south side of field No. 16 was cleaned up at the same time. A hollow in field No. 29 which has been too wet heretofore for cultivation is now being filled in with overburden from the gravel pit; this hollow lies between Middleton Colony and the old filter beds, and when finished it will straighten out one side of a field, which heretofore had been quite irregular.

The filling in of the sand pit near the Engineer's house at Middleton Colony is almost done and will be ready for hay land in the near future.

Around the base of a new water tower, which was erected the past year, a cement curbing, fifteen inches in height, was built and the oval filled in and grassed over. This is now much more pleasing to the eye than the conditions existing before the old water tower was pulled down. A somewhat similar curbing was built and filled in on the site of the center house of the passageway, which formerly connected the male wards with the old congregated dining room.

Square yards of road built: Much work has been carried on in the construction of a large parking place near the Female T. B. Building. This is a project of considerable magnitude and will require a good deal of time and labor before it is finished. Large quantities of subsoil must be removed and field and crushed stone must be brought for the surface, but when completed this will eliminate a serious parking problem which has existed for some years and is annually getting more acute.

In October, all our main roads and driveways were surfaced with Tarvia and sand and are now in an improved condition. Approximately 350 square yards in front of machine shop were cleaned up and surfaced with Tarvia and sand, which has greatly improved the means of ingress and egress to the machine, blacksmith, plumber, and electrician shops.

The road from the main hospital to Middleton Colony as well as the various roads around the farm have been maintained in a satisfactory condition by scraping at regular intervals with a tractor-drawn road scraper, and by resurfacing with gravel whenever and wherever the necessity arose.

RELIGIOUS SERVICES

The usual religious services have been held each Sunday in the Chapel by both Protestant and Catholic clergymen, as well as the monthly service at the Middleton Colony. The Jewish patients have met with the Rabbi, who held a monthly service as in former years.

The following clergymen have held services at the hospital during the past year: Rev. Remi B. Schuver, Rev. Frank Peverley, Rev. William Grimes, Rev. Wayne Haskell, Rev. Charles M. Charlton, Rev. Kenneth Henley, Rev. John Knight, Rev. Nathan Matthews, Rev. Moses L. Sedar.

ACKNOWLEDGEMENTS

In conclusion, I wish to express my sincere appreciation to all those who have so generously contributed to our library and Entertainment Fund during the past year, and to the societies and organizations who have brought pleasure to our patients through entertainment. I also wish to express my thanks to all

hospital officers and employees, who have so faithfully discharged their duties and through their efforts have made the work of this year possible. I am extremely grateful to the Department of Mental Diseases and the Board of Trustees for their continued interest and helpfulness.

Respectfully submitted,
CLARENCE A. BONNER, M. D.
Superintendent.

REPORT OF TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the forty-sixth annual report of the Training School for Nurses.

Nurses connected with the school, November 30, 1935:

Principal, School of Nursing	1
Assistant Principal, School of Nursing	1
Chief Supervisor	1
Assistant Supervisors	3
Graduates	30
Hydrotherapists	2
Danvers State Hospital pupil nurses	30
Pupils at Boston City Hospital	15
Affiliating Nurses	9

There were one hundred and fifty-six requests for information in regard to the Training School, thirty-three more than in 1934. Forty-five applications were returned. Nineteen applicants were accepted.

November 30, 1935, our students were as follows: Seniors, 12; Intermediates, 15; Probationers, 18.

The affiliated nurses for the year ending November 30, 1935 were as follows:

Somerville Hospital

Bertha M. French	Louise Boylen
Alda R. Prime	Margaret Rogers
Agnes Gallaher	Gladys H. Briggs
Gertrude DeCoster	Florence L. Hunt

Leominster Hospital

Margaret E. Leighton	Madeline Smith
Alice Bills	Brynhilda Larsen
Charlotte Gamblin	Natalie G. Alterie
Caltha W. Staples	Gladys M. Peel

Henry Heywood Memorial Hospital

Josephine Pobieglo	Roslyn B. Gould
Marion E. Moriarty	Ruth F. Perritt

Mary R. Ryder

New England Sanitarium and Hospital

Roy Smith

Chelsea Memorial Hospital

Eleanor F. Powers	Stacy Matikooris
Anna L. White	Dorothy Robbins
Elsie Olson	Evelyn C. Ekstrom

The graduating exercises were held the evening of September 26. The following nurses received diplomas:

Isabel Anna Chebator	Hilda Dillon Hogg
Rita Catherine Flynn	Julia Ethel Kealey
Bertha Pauline Gens	Ruth Harriett Obear
Catherine Patricia Greene	Antoinette Piragis
Mary Elizabeth Donoghue	Rita Madeline Roy

Anna Marietta Thomas

Antoinette Piragis was awarded the Alumnae Prize of ten dollars for highest rank for three years.

Deaths — Margaret J. Ambrose, Class 1909, died May 5, 1935; Hazel Morse Mars, Class 1932, died July 2, 1935; Rose Emma Mader, Class 1936.

Marriages — Eldora Grace Katon, (Class 1930), to Albert King; Eva Adeline Callahan, (Class 1934), George A. Holland, Jr.; Helen Theresa Riley, (Class 1931), to George Cuddy.

Changes in Personnel — Hydrotherapists: Miss Agnes Mary Walsh, Class 1932; Miss Margaret Copley, Class 1933; Miss Vesta MacLellan, Class 1931.

Part-time instruction of affiliated nurses — Mrs. Eldora King, probation instructor.

In closing I wish to thank the members of the hospital staff for their help and cooperation during the past year.

Respectfully submitted,

OLIVE F. ESTEY, R. N.,

Principal, School of Nursing.

OCCUPATIONAL THERAPY DEPARTMENT

To the Superintendent of the Danvers State Hospital:

It is my privilege to submit the following report of the Occupational Therapy Department for the year ending November 30, 1935:

1. *Reception Service:*

Since May a new service has been started by the Occupational Therapy Department. Graduate therapists visit newly admitted patients with a letter from the Superintendent of the hospital, the purpose being to give the patient information and reassurance concerning his hospitalization in order to help him orient himself as soon as possible. The life inside the hospital, opportunities for treatment and occupations, as well as the regulations of behavior necessary for a harmonious atmosphere, are rehearsed to each patient interviewed. In six months, 163 females out of 211 have been interviewed; of the remainder, 8 were on the danger list, 17 were too active, 7 stuporous, 7 discharged and 8 deceased. Out of 302 male patients admitted, 220 were interviewed; of the rest, 4 were on the danger list, 21 too active, 11 too stuporous and 16 died before seen. As a result of these interviews, patients' names are referred to the librarian, Occupational Therapist, to the doctors for industrial recommendation, and Occupational Therapy classes for treatment.

2. *Educational Therapy:*

A. *Patients' Library* — There are 2,242 books in the library with an approximate daily withdrawal of 28 books. Parole patients use the library as a reading room; 50 non-parole patients are taken once a week to the library to select books while a student therapist devotes two afternoons a week to the distribution of books and magazines to the wards where patients cannot attend the library.

B. *Exhibits* — Monthly hobby exhibits are held in the patient's library. Some of the subjects have been on Arctic Exploration, Dogs, Ship Models, Posters, Hawaiian Occupational Therapy Projects and Mexican Art and Handwork. The latter was an educational experiment; 25 patients, approved by members of the staff were invited to attend a tea at which a speaker on Mexican Art, the owner of the exhibit, gave a very interesting talk and informal discussion.

C. *Correspondence Courses* — Several patients have been receiving instruction from the Division of University Extension under the new free courses for inmates of institutions: English; Bookkeeping; Radio Construction; Heating and Ventilation; and Salesmanship. One patient, before his discharge, received his certificate in the course on "Gasoline Engines."

D. *Sightseeing Tours* — Thirty patients enjoyed visiting the Topsfield Fair this fall; attendants accompanied them but the patients did not feel restricted as they went to see all the exhibits they wanted to. Other short trips are arranged to parts of the hospital.

E. *Hospital Newspaper* — "Hill Topics" is now a two-page edition put out by the Occupational Therapy Department. It often contains articles by the doctors or department heads, as well as news of the institution, current events and fillers of philosophy, humor and observations.

3. *Musical Therapy:*

A choir of twenty voices has been organized and is conducted by a talented patient. Sunday choral singing and special holiday music in the cafeteria are the results.

4. *Recreational Therapy:*

Entertainments: The Christmas parties for 1934 were a rodeo dance and stunt carnival for the patients. Dances, whist parties and other recreational features are conducted by the department for the recreation and socialization of the patients. Weekly there is a performance by the W.P.A. unit of entertainers; a regular therapist arranges for performers to receive equipment necessary for shows and is on duty during the performance as hostess.

5. *Psychiatric Occupational Therapy:*

Weekly conferences are held between the regular therapists and doctors to discuss cases and treatments, to recommend patients for industry, Occupational Therapy, visit or parole; trips to the ward and shop classes are made. For staff meetings reports of patients who are working in classes are made in the records. Student therapists are assigned to special patients to give individual attention. Those patients for whom Occupational Therapy has been prescribed by the doctor are assigned to classes with the best set-up for the individual problem; physical education; book-binding; libraries; correspondence courses; ward classes or shop with programs of occupation to be therapeutic to patient.

A medical library was opened in August for the staff and medical students. Monthly teas have been conducted for staff and medical departments in the MacDonald Medical Library.

6. *Medical Occupational Therapy:*

Several orthopedic problems, fracture cases, have been referred to this department for treatment. After therapeutic occupation, a greater range of motion was apparent. Tubercular and cardiac patients work in shorter periods with precautions.

7. *Industrial Therapy under Occupational Therapy:*

Patients are enjoying working on decorative pillows and curtains to make their own wards more attractive. These patients are not assigned to Occupational Therapy as acute cases but comprise the great amount of chronic patients formerly idle on the wards as they are not well enough for continual occupation without constant supervision. The purpose is to stimulate a work habit and circulation without pressure or unpleasant associations. Weekly classes are conducted by the Occupational Therapist on alternating wards, including the back wards where the nurses have been so enthusiastic over having constructive occupation for their patients that they request more materials for daily occupation at the demands of the patients, who enjoy the feeling of doing something, whether it is hemming a napkin or doing embroidery on a ward decoration. It is this attitude during work that is so important in the industrial occupation of mental patients particularly.

8. *Classes in Occupational Therapy:*

Routine operation of the department consists of two shop classes, male and female; four female ward classes; three male ward classes; and one bookbinding class, making a total of ten classes aside from the special librarians, dramatic, musical and educational groups. There is one registered Occupational Therapist as Director, three graduate therapists and one graduate Physical Education Instructor. Each six months there have been six students receiving training; three groups of affiliate nurses and one group of hospital student nurses receiving their courses in Occupational Therapy with nine hours of lectures and fifteen hours of craftwork. On December 1, 1934, there were 188 patients in class. During the year, 286 patients new to the hospital were treated and 179 readmissions. Of these, 138 have gone into industry and 95 have left the hospital.

9. *Department Administration:*

The following changes in department personnel have taken place within the last year: Miss Frances Howard, graduate of the 1935 class of The Boston School of Occupational Therapy, replaced Miss Polly K. Francis, who resigned to organize and direct a department of Occupational Therapy at Baldwinsville Hospital Cottages for Children. Miss Doris Wilkins, now Director at State Farm, was

replaced by Miss Elizabeth Hayden, B.S.O.T. 1934, from Grafton and Ann Arbor University General Hospital. Miss Eleanor Dustin, B.S.O.T. 1935, has replaced Miss Margaret Overson. Miss Francis returned in August to assume directorship of the department as Miss Fish is now in charge of research at the Boston school.

10. *Education of the Public:*

In the spring, there was an exhibit of posters and open house for the public. The shops contained exhibits of the patients' accomplishments. The annual exhibit at the Topsfield Fair has been one of the best forms of educating the laymen concerning the newer type of mental hospital. Charts of hospital treatment and occupations were on display, as well as some of the products of the Occupational Therapy and Industrial Shops. The public never fails to be absorbed by the material and refers the exhibits to friends. This year some of the visitors were Social Service workers and Girl Scouts from France and England, parole board members from New York, who were interested in occupation for defective delinquent boys, as well as others interested in trades, ministry and the arts. The fact that the patients were people, capable for a great part in taking their share in the activity with favorable environmental influences, was stressed to the public in order to obtain their understanding and appreciation of mental patients.

11. *Physical Education:*

Physical education classes are conducted in the Chapel and wards during the winter and out of doors during the summer. A total of 240 patients, averaging 170 a month, come under this form of treatment. The classes are divided according to the patient's condition — deteriorated, inactive deteriorated, active and improved.

The improved female class consists of marching, with music, day's order, followed by period of free play — volley ball, basketball, indoor tennis, relay games and dancing.

The improved male class participates in a whole period of free play — volley ball, basketball, tumbling, relay games and some dancing.

The deteriorated inactive class (female) consists of a few rhythmical circle games, simple marching (with music), day's order, jumping rope, relay games and dancing.

The deteriorated active class (female) consists of rhythmical circle games, simple marching (with music), singing games, relay games and dancing. A musical program has been followed as it has proved very quieting with this type of patient.

The deteriorated male class consists of relay games, volley ball, indoor baseball, a few circle games, ending with music. (This is usually furnished by a member of the class.)

A male tennis class has been organized in addition to the female class which has proved very beneficial and interesting to the improved type of patient.

Long hikes are a regular feature in the program of physical education, as well as short ones for acute patients who are unable to go on the longer ones.

A shuffle board has been started in the Occupational Therapy garden and classes will be conducted there in the spring. The hospital tennis court was flooded for skating but as it proved unsatisfactory another attempt will be made elsewhere this season.

Respectfully submitted,

POLLY K. FRANCIS

Director of Occupational Therapy.

SOCIAL SERVICE REPORT

To the Superintendent of the Danvers State Hospital:

I have the honor to submit the annual report of the Social Service Department for the year ending November 30, 1935.

During the year 1,690 cases were referred to our department. Of these, 1,171 were hospital cases; 390 child guidance clinic cases; 91 adult mental hygiene clinic cases; and 38 outside cases. With the hospital cases, as in the past, most of the work was history taking, 991 being referred for histories as against 126 for supervision. Only 23 were referred for home investigations prior to patients leaving the hospital. With history taking dominating the work of the Department — almost to the exclusion of anything else — the hospital and the clinics are losing

the real contribution social work has to make toward effecting social adjustments for patients.

The combination of hospital and clinic work is most interesting, but much more work is expected of us than is possible to accomplish. To carry on the work of our Department as at present organized, there should be three additional trained social workers. This would enable each social worker to have one weekly clinic instead of two as at present, and to do more community work connected with the clinics as well as attempting an adequate program for supervising patients on visit from the hospital.

Miss Ida Metz, a graduate of St. Lawrence University, was a student taking the Department training course. She left in June. In September, Miss Barbara Redden, graduate of New Hampshire State University, and Miss Gertrude Allen, graduate of Smith College, came as students. Miss Helen E. Riley resigned to accept a position at the Metropolitan State Hospital. Miss Sara Karp, a former student in the Department was appointed to take her place. Miss Helen Hollander, a former student, substituted during leave of absence of two workers. In September, Miss Ann Condran was assigned as historian.

We appreciate very much the cooperation of the Superintendent and the members of the staff.

Respectfully submitted,

MARY H. HOLLAND

Head Social Worker.

REPORT OF THE CHILD GUIDANCE AND SCHOOL CLINICS

To the Superintendent of the Danvers State Hospital:

It is my pleasure to submit the following report of work in Child Guidance Clinics, School Clinics and the Juvenile Court examinations for the year ending November 30, 1935. There has been a definite increase in the number of cases referred in each of the three divisions of this department.

Until the end of June, 1935, we had Dr. Lois E. Taylor with us. Dr. Taylor concentrated her efforts on a large share of the 624 children who were examined in the Travelling School Clinic. Of these, 427 were boys and 197 were girls. To further analyze these cases, we found 142 (boys 88, girls 54) who were definitely in the group of the feeble-minded. Among these 625 children, 101 cases were re-examinations. There were, however, 255 more cases examined than the preceding year. Methuen, which had not been availing itself of the Clinic, brought this unusually large total because it referred nearly 200 cases which we studied. During this past year, Dr. Dayton assigned Gloucester and Lowell to us in addition to our former 36 cities, 19 of which we visited during the year.

Dr. Flora M. Remillard, B.S., M. D., of the University of Vermont and Saco, Maine, joined our staff. In November, she successfully completed her National Board Examinations and is now a Diplomate of the National Board.

We added no new Child Guidance Clinics and made no changes in the generally very satisfactory local addresses of the various clinics. During the period from December 1, 1934 to November 30, 1935 we studied 189 new cases. This is 40 more than the preceding year. A number of cases referred in previous years were carried over for continued treatment. Our clinics are held one-half day weekly in Lynn, Salem, Beverly, Haverhill and Melrose. In Newburyport we meet the second and fourth Friday afternoons. In Lawrence we meet the first and third Friday mornings.

The examination of Juvenile Delinquents under Section 215 showed an increase 75 cases this year. We examined a total of 265 children in the various District Courts. A summary of these cases is interesting and enlightening and is noted below:

From June through September we reached our highest number of examinations except December and again in February. With the exception of February these represent months when vacations prevail and some children are less wholesomely occupied and supervised than in school months—thereby finding themselves more often in difficulty with the law. As offenders, boys predominated, 238 to 27. Of the charges against the girls, well over 75 per cent were sex delinquencies. In

some instances more than one charge was preferred against an individual but the charges in order of frequency were as follows:

Breaking, entering and larceny	219 cases
Stubbornness and disobedience	38 cases
Truancy	23 cases
Lewdness	23 cases
Malicious destruction of property	16 cases
Unlawful appropriation of automobiles	10 cases

It is also interesting to note in the table below the ages of the children and the intelligence shown among these youthful offenders:

Juvenile Delinquents																		
December 1, 1934 — November 30, 1935																		
AGE GROUPS	Total			Normal			Sub-Normal			Feeble-minded			Psychotic			Psychoses with Feeble-mindedness		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 12	48	2	50	33	2	35	14	—	14	1	—	1	—	—	—	—	—	—
12-15	107	15	122	69	7	76	28	5	33	9	3	12	1	—	1	—	—	—
15-18	83	10	93	35	5	40	36	5	41	12	—	12	—	—	—	—	—	—
Totals	238	27	265	137	14	151	78	10	88	22	3	25	1	—	1	—	—	—

In four cases a "deferred" diagnosis had to be made. It is also of interest to note that 125 of the children had one or both parents who were foreign born.

The usual custom of taking the student and affiliate nurses, the clinical assistants and the Occupational Therapy students to observe clinic methods was carried out. Two physicians in the community also visited the clinics, one regularly and the other not infrequently, to observe our methods. This department also gave numerous talks to Parent-Teacher groups, Mothers' Clubs and student groups in high schools to assist in interpretation of mental hygiene methods and to explain the facilities offered by our Child Guidance Clinics.

To conclude, all branches of this department grew this year. The grand total of children with whom we made contacts was 1,078, a larger number than in any preceding year.

Respectfully submitted,
DORIS M. SIDWELL, M. D.

PSYCHOLOGICAL REPORT

To the Superintendent of the Danvers State Hospital:

I have the honor to present the annual report of the Department of Psychology for the year ending November 30, 1935.

Our personnel for the year has included Alice Schoenfuss, Faith Kellogg, Harriet Metzger and Jane Sullivan; Miss Metzger leaving in August and Miss Sullivan taking her place in September. During the month of July we had the additional assistance of Arthur H. Ruggles, Jr.

Psychometric examinations have been administered individually to hospital patients and outside cases, as follows:

Newly admitted hospital patients	538
Children examined in Child Guidance Clinics	183
Adolescent cases in Lynn Adult Clinic	12
Juvenile offenders, examined in Court	263
Children tested in School Clinics	566
Other cases, examined for special reasons	11

Total number of individual examinations 1,573

At the request of the Essex County Agricultural School, we gave a group examination to the 108 new students who entered the school in September. Two

persons found to be suitable subjects for individual effort in mental hygiene were interviewed at frequent intervals throughout the school year.

Our psychometric examination, even in its simplest form, calls for some active cooperation on the part of the subject. It is not to be expected that all incoming patients will respond to the test, nor that all examinations can be completed. Patients upwards of sixty years of age are excluded automatically from our testing service, and below that age we aim to include as many as can be persuaded to give a minimal degree of cooperation. The number of newly admitted patients within our age limit was 672, and the 538 persons examined constitute eighty per cent of the total number on our list for examination. Among the twenty per cent not examined, any patient still in the hospital will be tested later in the event of such change in his condition as would make an examination possible.

Sixty-five of the patients examined were foreign-born persons having little or no knowledge of the English language. Examination of such persons is inadequate at best, because our non-language tests have been developed and standardized with reference to American children rather than adult immigrants. One of our research studies in progress is the development of a system of examination especially adapted to foreign patients.

One minor paper has been accepted for publication, to appear early in the coming year. The members of our Department have also taken an assistant's part in some of the medical researches of the hospital.

A four-hour course in clinical psychometrics and six lectures in general psychology have been given for the instruction of nurses and occupational therapy students, these courses being repeated for each group of visiting students. A less formal four-hour course has been conducted for each group of medical internes.

Three conferences have been held with the directors of the Essex County Health Camp, for the purpose of promoting a deeper understanding of the children who spend the summer at camp. Five informal lectures have been given outside of the hospital by members of the department, at the special request of some institution.

We have had eleven visits from psychologists, and have given them full instructions for the use of certain unpublished tests which have been developed in this hospital.

Respectfully submitted,

GRACE H. KENT, Ph. D.

VALUATION

November 30, 1935

REAL ESTATE

Land, 517.68 acres	\$101,317.00
Buildings and Betterments	2,870,521.82
	<hr/>
	\$2,971,838.82

PERSONAL PROPERTY

Travel, transportation and office expenses	\$4,371.67
Food	14,868.69
Clothing and materials	19,574.10
Furnishings and household supplies	123,108.79
Medical and general care	11,577.30
Heat and other plant operation	23,261.28
Farm	63,142.56
Garage and grounds	2,011.07
Repairs	20,886.11
	<hr/>
	\$282,801.57

SUMMARY

Real estate	\$2,971,838.82
Personal property	282,801.57
	<hr/>
	\$3,254,640.39

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1935.

STATEMENT OF EARNINGS

Board of Patients	\$107,538.71
Personal Services:	
Reimbursement from Board of Retirement	221.00

Sales:	
Travel, transportation and office expenses	\$1.75
Food	710.91
Clothing and materials	47.90
Furnishings and household supplies	17.50
Medical and general care	85.33
Heat and other plant operations	153.17
Garage and grounds	83.55
Repairs ordinary	315.63
Farm (itemized)	
Calves and pigs	202.57
Hides	54.70
Bags and barrels	130.08
Wood	138.25
Total sales	1,941.34
Miscellaneous:	
Rents	739.84
Total Earnings for the year	\$110,440.89
Total Cash receipts reverting and transferred to the State Treasurer	\$110,360.65
Accounts receivable outstanding Dec. 1, 1934	\$417.62
Charged Off	374.90
Accounts receivable outstanding Nov. 30, 1935	122.96
Accounts receivable increased	\$80.24

MAINTENANCE APPROPRIATIONS

Balance from previous year, brought forward	\$19,022.00
Appropriation, current year	751,850.00
Total	\$770,872.00
Expenditures as follows:	
1. Personal services	\$366,912.74
2. Food	115,467.14
3. Medical and general care	14,448.93
4. Religious instruction	2,032.02
5. Farm	30,016.22
6. Heat and other plant operation	117,228.20
7. Travel, transportation and office expenses	7,725.83
8. Garage and grounds: Garage \$3,033.07; grounds, \$2,174.28	5,207.35
9. Clothing and materials	27,664.02
10. Furnishings and household supplies	31,023.87
11. Repairs ordinary	18,691.19
12. Repairs and renewals	15,680.51
Total maintenance expenditures	\$752,098.02
Balance of Maintenance Appropriation, Nov. 30, 1935	18,773.98
	\$770,872.00

SPECIAL APPROPRIATIONS

Balance December 1, 1934, brought forward	\$186,803.07
Appropriations for current year	287,250.00
Total	\$474,053.07
Expended during the year (see statement below)	\$241,234.92
Reverting to Treasury of Commonwealth	241,234.92
Balance November 30, 1935, carried to next year	\$232,818.15

APPROPRIATION	Act or Resolve	Total Amount Appropriated	Expended during fiscal year	Total Expended to date	Balance at end of year
Canning equipment	249-1935	\$2,400.00	\$2,194.76	\$2,194.76	\$205.24
Flat Iron Worker	249-1935	8,850.00	8,769.72	8,769.72	80.28
Installation power plant equipment	249-1935	3,000.00	—	—	3,000.00
Boiler room equipment and repairs	249-1935	19,500.00	13,503.21	13,503.21	5,996.79
Remodeling Grove Hall Building	249-1935	6,000.00	2,894.68	2,894.68	3,105.32
Mass. State Proj. M7, Docket 2641 Hydrotherapy Buildings		145,000.00	99,887.00	132,826.76	12,173.24
Mass. State Proj. M42, Docket 4666, Sprinklers, Rewiring and Fireproof Stairs		122,000.00	113,785.81	120,042.98	1,957.02
Mass. State Proj. M101, Docket 1134, Three Boilers		150,000.00	107.90	107.90	149,892.10
Mass. State Proj. M112, Docket 1152, Fire Alarm		56,500.00	91.84	91.84	56,408.16

PER CAPITA

During the year the average number of patients has been, 2,177.
Total cost of maintenance, \$752,098.02.
Equal to a weekly per capita cost of (52 weeks to year), \$6.643.
Total receipts for the year, \$110,360.65.
Equal to a weekly per capita of, \$.974.
Total net cost of Maintenance for year, \$641,737.37.
Net weekly per capita, \$5.669.

Respectfully submitted,
HULDA ARONSON,
Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY THE
MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Information

(Data correct at end of institution year November 30, 1935)

Date of opening as a hospital for mental diseases, May 13, 1878.
Type of hospital: State.
Hospital plant:

Value of hospital property:	
Real estate, including buildings	\$2,971,838.82
Personal property	282,801.57
Total	\$3,254,640.39
Total acreage of hospital property owned, 517.68.	
Total acreage under cultivation during previous year, 364.5.	

Officers and employees:	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	6	4	10	1	—	1
Clinical assistants	2	—	2	—	—	—
Total physicians	9	4	13	1	—	1
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	42	42	—	—	—
Other nurses and attendants	129	136	265	—	—	—
Occupational therapists	—	5	5	—	—	—
Social workers	—	4	4	7	—	7
All other officers and employees	102	69	171	7	—	7
Total officers and employees	243	260	503	8	—	8

Classification by Diagnosis, September 30, 1935

Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane	1,025	1,138	2,163	170	185	355
Epileptics	—	1	1	—	—	—
Alcoholics	3	1	4	—	—	—
All other cases	4	2	6	—	1	1
Total	1,032	1,142	2,174	170	186	356
OTHER RACES:						
Insane	16	11	27	1	1	2
Total	16	11	27	1	1	2
Grand Total	1,048	1,153	2,201	171	187	358

	M.	F.	T.
Patients under treatment in occupational-therapy classes, including physical training, on date of report	108	312	420
Other patients employed in general work of hospital on date of report	520	204	724
Average daily number of all patients actually in hospital during year	1,037	1,140	2,177
Voluntary patients admitted during year	3	1	4
Persons given advice or treatment in out-patient clinics during year	412	125	537

TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States ¹	168	164	332	84	87	70	86	93	75
Austria	2	—	2	2	2	2	—	—	—
Belgium	—	2	2	—	—	—	2	2	2
Canada ²	24	31	55	43	45	35	42	37	30
England	10	6	16	13	14	9	11	11	7
France	1	1	2	1	1	1	1	1	1
Germany	2	1	3	4	3	3	4	1	1
Greece	1	2	3	1	1	1	2	2	2
Ireland	12	19	31	46	42	38	50	51	45
Italy	12	15	27	18	18	17	24	24	24
Norway	3	—	3	3	3	3	—	—	—
Poland	2	2	4	4	4	4	2	2	2
Portugal	—	2	2	2	2	1	2	3	2
Russia	4	11	15	7	7	7	14	13	13
Scotland	2	3	5	7	6	5	7	3	3
South America	—	1	1	—	—	—	—	—	—
Sweden	2	1	3	5	5	5	2	3	2
Turkey in Europe	2	—	2	2	2	2	—	—	—
West Indies ³	1	1	2	1	1	1	1	—	—
Other Countries	6	3	9	8	7	7	6	6	6
Unknown	1	1	2	4	5	3	10	14	8
Total	255	266	521	255	255	214	266	266	223

¹Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.²Includes Newfoundland.³Except Cuba, Porto Rico and Virgin Islands.

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	168	164	332
Citizens by naturalization	36	42	78
Aliens	35	44	79
Citizenship unknown	16	16	32
Total	255	266	521

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			With syphilitic meningo-encephalitis			With other forms of syphilis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Armenian	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	42	52	94	3	2	5	-	-	-	1	1	1	1	1	3	-	3	-
French	19	12	31	1	-	1	-	-	-	-	-	-	1	1	4	-	4	-
German	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	7	10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	60	59	119	4	1	5	1	-	1	-	-	-	-	-	11	4	15	-
Italian ¹	19	24	43	1	-	1	-	-	-	1	1	1	-	-	2	-	2	-
Lithuanian	3	4	7	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-
Portuguese	2	2	4	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
Scandinavian ²	8	2	10	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	7	5	12	1	-	1	-	-	-	-	-	-	-	-	1	2	3	-
Syrian	1	2	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	70	61	131	3	1	4	1	-	1	-	-	1	1	1	5	1	6	-
Race unknown	-	19	19	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Total	255	266	521	15	6	21	2	-	2	-	2	2	2	1	3	31	7	38

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses* — Continued

RACE	Due to drugs, etc.			Traumatic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)			Senile psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	1	-	1
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	1	-	1	21	16	37	1	1	2	-	-	-	-	7	7
French	-	-	-	-	1	1	5	5	10	-	-	-	-	-	-	1	-	1
German	-	-	-	-	-	-	2	1	3	-	-	-	-	-	-	1	-	1
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	2	1	3	-	-	-	2	1	3	-	2	2
Irish	-	-	-	2	-	2	16	12	28	-	1	1	1	-	1	4	7	11
Italian ¹	-	-	-	1	-	1	3	1	4	-	2	2	-	-	-	-	2	2
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	4	-	4	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	1	1	3	1	4	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	-	1	1	21	10	31	-	1	1	-	1	1	5	7	12
Race unknown	-	1	1	-	-	-	-	5	5	-	-	-	-	-	-	-	2	2
Total	-	1	1	5	3	8	77	53	130	1	5	6	3	2	5	13	27	40

¹Includes "North" and "South"²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinain, Montenegrin, Moragian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Involutional psychoses			Due to other metabolic diseases, etc.			Due to new growth			With organic changes of nervous system			Psycho-neuroses			Manic-depressive psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	1	2	3	-	2	2	-	-	-	-	1	1	-	3	3	-	2	2
French	-	1	1	1	-	1	-	-	-	-	-	-	-	1	1	1	1	2
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4
Irish	1	2	3	-	2	2	-	-	-	-	-	-	1	1	2	-	-	-
Italian ¹	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	1	2	3
Lithuanian	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Slavonic ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Mixed	1	7	8	-	4	4	-	1	1	3	-	3	1	2	3	2	4	6
Race unknown	-	2	2	-	2	2	-	-	-	-	-	-	-	-	-	-	1	1
Total	3	16	19	2	10	12	-	1	1	3	1	4	2	7	9	5	16	21

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Dementia praecox			Paranoid and paranoid conditions			With psychopathic personality			With mental deficiency			Without psychoses			Primary behavior disorders		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	8	13	21	-	-	-	1	-	1	1	2	3	1	-	1	-	-	-
French	5	2	7	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
German	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	2	2	4	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Irish	19	26	45	-	1	1	-	-	-	-	2	2	-	-	-	-	-	-
Italian ¹	8	13	21	1	-	1	-	-	-	1	1	2	-	1	1	-	-	-
Lithuanian	-	3	3	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Portuguese	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	3	1	4	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	4	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	23	17	40	-	-	-	1	1	2	1	3	4	1	-	1	1	-	1
Race unknown	-	3	3	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Total	80	94	174	1	2	3	2	3	5	5	8	13	2	1	3	1	-	1

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. Age of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	15	6	21	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	2	2	-	-	-	-	-	-	1	1	-	-	-	-
With other infectious diseases	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	31	7	38	-	-	-	-	-	-	-	-	-	1	-	1
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	5	3	8	-	-	-	-	-	-	-	-	-	1	-	1
With cerebral arteriosclerosis	77	53	130	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	3	2	5	-	-	-	1	1	-	1	-	1	-	-	-
Senile psychoses	13	27	40	-	-	-	-	-	-	-	-	-	-	-	-
Involuntional psychoses	3	16	19	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	2	10	12	-	-	-	-	-	-	-	-	-	-	1	1
Due to new growth	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	3	1	4	1	-	1	1	-	1	-	-	-	-	-	-
Psychoneuroses	2	7	9	-	-	-	-	-	-	1	-	1	-	-	-
Manic-depressive psychoses	5	16	21	-	-	-	-	-	-	1	1	2	-	1	1
Dementia praecox	80	94	174	-	1	1	9	4	13	18	13	31	13	17	30
Paranoia and paranoid conditions	1	2	3	-	-	-	-	-	-	-	-	-	1	-	1
With psychopathic personality	2	3	5	-	-	-	1	1	2	-	-	-	-	1	1
With mental deficiency	5	8	13	-	-	-	2	-	2	1	4	5	-	-	-
Without psychoses	2	1	3	-	-	-	1	1	-	-	-	-	1	-	1
Primary behavior disorders	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Total	255	266	521	1	1	2	13	7	20	23	19	42	17	20	37

TABLE 7. Age of First Admissions Classified with Reference to Principal Psychoses — Continued

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	2	2	4	3	-	3	2	2	4	3	1	4	2	-	2
With other forms of syphilis	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
With epidemic encephalitis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	1	-	1
Alcoholic psychoses	4	-	4	2	1	3	7	1	8	3	-	3	5	4	9	2	1	3
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	1	3
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	1	1	2	5	1	6	6	1	7
With other disturbances of circulation	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	1	-	1	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntional psychoses	-	-	-	-	-	-	-	-	-	-	6	6	1	6	7	1	4	5
Due to other metabolic diseases, etc.	2	-	2	-	5	5	-	2	2	-	-	-	-	-	-	-	1	1
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	1	1	-	2	2	-	1	1	-	1	1	1	2	3	-	-	-
Manic-depressive psychoses	1	1	2	1	2	3	1	2	3	-	2	2	-	4	4	-	1	1
Dementia praecox	8	13	21	11	11	22	12	19	31	5	8	13	3	4	7	1	2	3
Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With mental deficiency	2	1	3	-	1	1	-	2	2	-	-	-	-	-	-	-	-	-
Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	18	18	36	17	25	42	24	32	56	13	21	34	19	25	44	15	11	26

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic men- ingo-encephalitis .	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
With other forms of syphilis .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic en- cephalitis .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses .	4	-	4	2	-	2	1	-	1	-	-	-	-	-	-	-	-	-
Due to drugs, etc. .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses .	-	-	-	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-
With cerebral arterio- sclerosis .	11	6	17	17	16	33	14	9	23	16	12	28	5	4	9	2	3	5
With other distur- bances of circulation .	-	1	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
With convulsive dis- orders (epilepsy) .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses .	-	-	-	2	4	6	-	3	3	5	6	11	5	8	13	1	6	7
Involutional psycho- ses .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other meta- bolic diseases, etc. .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses .	1	1	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Dementia praecox .	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and para- noid conditions .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With mental deficiency .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Primary behavior dis- orders .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . .	20	13	33	23	21	44	16	14	30	21	18	39	11	12	23	4	9	13

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

Psychoses	Total			Illiterate			Reads Only			Reads and Writes			Common School			High School			College			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis.	15	6	21	2	-	2	-	-	-	1	-	1	9	4	13	1	2	3	1	-	1	1	-	1
With other forms of syphilis	2	-	2	-	-	-	-	-	-	-	-	-	2	2	2	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	2	2	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
With other infectious diseases	2	1	3	-	-	-	-	-	-	-	-	-	2	1	3	-	-	-	-	-	-	3	1	4
Alcoholic psychoses	31	7	38	1	1	2	-	1	1	1	-	-	24	4	28	2	2	2	-	-	-	-	-	-
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-
Traumatic psychoses	5	3	8	-	1	1	-	-	-	-	-	-	4	2	6	1	1	1	-	-	-	-	-	-
With cerebral arteriosclerosis	77	53	130	5	5	10	-	-	-	9	2	11	47	29	76	6	8	14	1	1	2	9	8	17
With other disturbances of circulation	-	5	6	-	-	-	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	1	-	1
With convulsive disorders (epilepsy)	3	2	5	-	1	1	-	1	1	1	-	1	1	1	1	1	1	1	-	-	-	1	-	-
Senile psychoses	13	27	40	-	4	4	-	-	-	1	-	-	7	13	20	1	2	3	-	-	-	4	7	11
Involuntary psychoses	3	16	19	-	2	2	-	-	-	1	-	-	2	9	11	1	5	6	-	-	-	-	2	2
Due to other metabolic diseases, etc.	2	10	12	1	-	1	-	-	-	1	-	-	-	4	4	-	4	4	-	-	-	-	-	-
Due to new growth	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	3	1	4	1	-	1	-	-	-	-	-	-	1	1	2	-	-	-	1	-	1	-	-	-
Psychoneuroses	2	7	9	-	-	-	-	-	-	-	-	-	1	4	4	2	2	4	-	1	1	-	-	-
Manic-depressive psychoses	5	16	21	-	2	2	-	-	-	-	1	1	3	10	13	2	2	3	-	1	1	-	-	-
Dementia praecox	80	94	174	1	7	8	-	-	-	7	4	11	46	45	91	22	31	53	-	5	5	4	2	6
Paranoia and paranoid conditions	1	2	3	-	-	-	-	-	-	-	-	-	2	3	5	-	-	-	1	-	1	-	-	-
With psychopathic personality	2	3	5	-	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-
With mental deficiency	5	8	13	4	1	5	-	-	-	1	3	4	1	4	4	-	-	-	-	-	-	-	-	-
Without psychoses	2	1	3	-	-	-	-	-	-	-	-	-	1	1	2	1	1	1	-	-	-	-	-	-
Primary behavior disorders	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Total	255	266	521	15	25	40	-	2	2	22	10	32	152	143	295	40	58	98	4	8	12	22	20	42

TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	15	6	21	6	1	7	8	5	13	1	-	1	-	-	-
With other forms of syphilis	2	-	2	1	-	1	1	-	1	-	-	-	-	-	-
With epidemic encephalitis	-	2	2	-	2	2	-	-	-	-	-	-	-	-	-
With other infectious diseases	2	1	3	-	1	1	2	-	2	-	-	-	-	-	-
Alcoholic psychoses	31	7	38	9	2	11	21	5	26	-	-	-	1	-	1
Due to drugs, etc.	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
Traumatic psychoses	5	3	8	2	2	4	3	1	4	-	-	-	-	-	-
With cerebral arteriosclerosis	77	53	130	39	17	56	38	35	73	-	-	-	-	1	1
With other disturbances of circulation	1	5	6	1	1	2	-	3	3	-	-	-	-	1	1
With convulsive disorders (epilepsy)	3	2	5	1	1	2	2	1	3	-	-	-	-	-	-
Senile psychoses	13	27	40	7	16	23	6	11	17	-	-	-	-	-	-
Involuntional psychoses	3	16	19	-	3	3	3	12	15	-	-	-	-	1	1
Due to other metabolic diseases, etc.	2	10	12	2	2	4	-	8	8	-	-	-	-	-	-
Due to new growth	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
With organic changes of nervous system	3	1	4	2	-	2	1	1	2	-	-	-	-	-	-
Psychoneuroses	2	7	9	-	2	2	2	3	5	-	2	2	-	-	-
Manic-depressive psychoses	5	16	21	2	3	5	3	13	16	-	-	-	-	-	-
Dementia praecox	80	94	174	42	20	62	38	73	111	-	-	-	-	1	1
Paranoia and paranoid conditions	1	2	3	1	-	1	-	2	2	-	-	-	-	-	-
With psychopathic personality	2	3	5	2	1	3	-	2	2	-	-	-	-	-	-
With mental deficiency	5	8	13	5	6	11	-	2	2	-	-	-	-	-	-
Without psychoses	2	1	3	-	1	1	2	-	2	-	-	-	-	-	-
Primary behavior disorders	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Total	255	266	521	123	81	204	130	179	309	1	2	3	1	4	5

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	15	6	21	3	5	8	6	1	7	6	-	6	-	-	-
With other forms of syphilis	2	-	2	-	-	-	1	-	1	1	-	1	-	-	-
With epidemic encephalitis	-	2	2	-	1	1	-	-	-	-	1	1	-	-	-
With other infectious diseases	2	1	3	1	1	2	1	-	1	-	-	-	-	-	-
Alcoholic psychoses	31	7	38	-	-	-	-	-	-	31	7	38	-	-	-
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Traumatic psychoses	5	3	8	1	3	4	3	-	3	-	-	-	1	-	1
With cerebral arteriosclerosis	77	53	130	29	47	76	25	5	30	23	-	23	-	1	1
With other disturbances of circulation	1	5	6	1	4	5	-	1	1	-	-	-	-	-	-
With convulsive disorders (epilepsy)	3	2	5	2	2	4	1	-	1	-	-	-	-	-	-
Senile psychoses	13	27	40	5	23	28	6	1	7	2	2	4	-	1	1
Involuntional psychoses	3	16	19	1	12	13	2	3	5	-	-	-	-	1	1
Due to other metabolic diseases, etc.	2	10	12	-	7	7	1	2	3	1	1	2	-	-	-
Due to new growth	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
With organic changes of nervous system	3	1	4	3	-	3	-	-	-	-	1	1	-	-	-
Psychoneuroses	2	7	9	1	6	7	1	-	1	-	1	1	-	-	-
Manic-depressive psychoses	5	16	21	1	10	11	3	5	8	1	1	2	-	-	-
Dementia praecox	80	94	174	48	72	120	20	18	38	12	4	16	-	-	-
Paranoia and paranoid conditions	1	2	3	1	2	3	-	-	-	-	-	-	-	-	-
With psychopathic personality	2	3	5	1	1	2	1	1	2	-	1	1	-	-	-
With mental deficiency	5	8	13	5	6	11	-	1	1	-	1	1	-	-	-
Without psychoses	2	1	3	1	1	2	-	-	-	1	-	1	-	-	-
Primary behavior disorders	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Total	255	266	521	104	203	307	71	39	110	79	20	99	1	4	5

TABLE 12. Marital Condition of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Single			Married			Widowed			Divorced			Separated		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	15	6	21	1	1	2	12	5	17	-	-	-	1	-	1	1	-	1
With other forms of syphilis	2	-	2	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	2	2	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
With other infectious diseases	2	1	3	1	1	2	2	-	2	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	31	7	38	7	1	8	16	4	20	1	2	3	5	-	5	2	-	2
Due to drugs, etc.	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	5	3	8	2	1	3	3	1	4	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	77	53	130	13	8	21	38	22	60	22	23	45	1	-	1	3	-	3
With other disturbances of circulation	1	5	6	1	-	1	1	4	4	-	1	1	1	-	-	-	-	-
With convulsive disorders (epilepsy)	3	2	5	2	1	3	1	1	2	-	-	-	-	-	-	-	-	-
Senile psychoses	13	27	40	2	9	11	5	3	8	6	15	21	-	-	-	-	-	-
Involutional psychoses	3	16	19	2	5	7	3	9	12	-	2	2	-	-	-	-	-	-
Due to other metabolic diseases, etc.	2	10	12	1	3	4	1	4	5	-	1	1	-	2	2	-	-	-
Due to new growth	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	3	1	4	2	-	2	1	1	2	-	-	-	-	-	-	-	-	-
Psychoneuroses	2	7	9	1	1	2	1	5	6	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	5	16	21	3	2	5	1	11	12	-	1	1	1	1	2	-	-	-
Dementia praecox	80	94	174	61	45	106	18	45	63	-	2	2	-	-	-	1	2	3
Paranoia and paranoid conditions	1	2	3	1	-	1	-	1	1	-	1	1	-	-	-	-	-	-
With psychopathic personality	2	3	5	2	2	4	-	1	1	-	-	-	-	-	-	-	-	-
With mental deficiency	5	8	13	5	7	12	-	-	-	-	1	1	-	-	-	-	-	-
Without psychoses	2	3	5	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Primary behavior disorders	1	-	1	1	-	-	1	-	-	-	-	-	1	-	1	-	-	-
Total	255	266	521	105	90	195	105	117	222	29	54	83	9	3	12	7	2	9

TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	8	4	12	-	-	-	8	4	12	-	-	-
With other forms of syphilis	1	-	1	-	-	-	1	-	1	-	-	-
With epidemic encephalitis	1	-	1	-	-	-	1	-	1	-	-	-
With other infectious diseases	-	1	1	-	-	-	-	1	1	-	-	-
Alcoholic psychoses	14	2	16	2	-	2	12	2	14	-	-	-
Due to drugs, etc.	1	1	2	-	-	-	1	1	2	-	-	-
Traumatic psychoses	3	-	3	-	-	-	3	-	3	-	-	-
With cerebral arteriosclerosis	11	9	20	-	-	-	11	8	19	-	1	1
With other disturbances of circulation	1	-	1	-	-	-	1	-	1	-	-	-
With convulsive disorders (epilepsy)	3	1	4	-	-	-	3	1	4	-	-	-
Senile psychoses	-	1	1	-	-	-	-	1	1	-	-	-
Involuntary psychoses	-	4	4	-	-	-	-	4	4	-	-	-
Due to other metabolic diseases, etc.	3	3	6	-	-	-	3	3	6	-	-	-
Psychoneuroses	7	5	12	-	-	-	7	5	12	-	-	-
Manic-depressive psychoses	22	25	47	1	-	1	20	23	43	1	2	3
Dementia praecox	44	47	91	-	-	-	42	45	87	2	2	4
Paranoia and paranoid conditions	1	1	2	-	-	-	1	1	2	-	-	-
With psychopathic personality	1	2	3	1	-	1	-	1	1	-	1	1
With mental deficiency	6	4	10	-	-	-	6	4	10	-	-	-
Without psychoses	4	-	4	-	-	-	-	-	-	-	-	-
Primary behavior disorders	1	1	2	1	1	2	-	-	-	-	-	-
Total	132	111	243	5	1	6	120	104	224	3	6	9

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharged during 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	6	1	7	.46	.29	.44
With other forms of syphilis	1	-	1	1.50	-	1.50
With other infectious diseases	-	1	1	-	.04	.04
Alcoholic psychoses	12	2	14	.42	.77	.47
Due to drugs, etc.	1	-	1	.46	-	.46
Traumatic psychoses	3	-	3	.34	-	.34
With cerebral arteriosclerosis	10	8	18	.33	.65	.47
With other disturbances of circulation	1	-	1	.12	-	.12
With convulsive disorders (epilepsy)	1	1	2	.94	.04	.49
Senile psychoses	-	1	1	-	.12	.12
Involuntary psychoses	-	4	4	-	.62	.62
Due to other metabolic diseases, etc.	3	3	6	.17	.20	.19
Psychoneuroses	6	4	10	.61	.45	.55
Manic-depressive psychoses	15	10	25	.79	.47	.66
Dementia praecox	33	29	62	1.37	1.44	1.40
Paranoia and paranoid conditions	1	1	2	1.50	.62	1.06
With psychopathic personality	-	1	1	-	.37	.37
With mental deficiency	2	3	5	.20	.80	.56
Without psychoses	3	-	3	.20	-	.20
Primary behavior disorders	1	-	1	.04	-	.04
Total	99	69	168	.80	.90	.84

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	Total			With syphilitic meningoen- cephalitis			With other forms of syphilis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses			With cerebral arterio- sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Infectious and Parasitic Diseases:																											
Dysentery	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Erysipelas	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of the respiratory system	10	11	21	—	—	—	—	—	1	—	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—
Purulent infection, septicaemia (non-puer- peral)	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	1	—	—	—	—	—	—
Cancer and Other Tumors:																											
Cancer and other malignant tumors	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic Diseases, Nutritional Diseases, Dis- eases of the Endocrine Glands and Other General Diseases:																											
Pellagra	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the Blood and Blood-making Organs:																											
Pernicious anemia	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the Nervous System and Organs of Special Sense:																											
Other diseases of the spinal cord	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2	—	1	—	1	—	—	—	—
General paralysis of the insane	11	3	14	10	3	13	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the nervous system	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the Circulatory System:																											
Chronic endocarditis (valvular disease)	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3	—	1	1	—	—	—	—
Diseases of the myocardium	39	59	98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the coronary arteries and angina pectoris	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the heart	5	5	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis	22	23	45	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	1	1	2	—	—	—	—
Other diseases of the arteries	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3	—	16	13	29	—	—	1	1
Diseases of the Respiratory System:																											
Bronchopneumonia (including capillary bronchitis)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia	5	12	17	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	8	—	—	—	—
Pleurisy	8	4	12	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3	—	2	1	3	—	—	—	—
Asthma	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the Digestive System:																											
Ulcer of the stomach and duodenum	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diarrhea and enteritis	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
Hernia, intestinal obstruction	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Continued

CAUSES OF DEATH	Total			With syphilitic meningo-encephalitis			With other forms of syphilis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Diseases of the Genito-Urinary System:</i>																											
Nephritis (acute, chronic and unspecified) .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the kidneys and ureters puerperal diseases excepted)	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the bladder (tumors excepted) .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the prostate .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases not specified as venereal .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Skin and Cellular Tissue:</i>																											
<i>Syphilis:</i>	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Violent and Accidental Deaths:</i>																											
Suicide .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Accidental traumatism .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other external causes .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Ill-Defined Causes of Death:</i>																											
Total	119	151	270	10	4	14	1	—	1	1	2	1	—	1	—	15	—	15	50	48	98	2	4	6	—	1	1

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Continued*

[illegible]

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded*

CAUSES OF DEATH	Senile psychoses			Involuntary psychoses			Due to other metabolic diseases, etc.			With organic changes of nervous system			Psycho-nervoses			Manic-depressive psychoses			Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
<i>Diseases of the Digestive System:</i>																														
Ulcer of the stomach and duodenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Diarrhea and enteritis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Hernia, intestinal obstruction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Diseases of the Genito-Urinary System:</i>																														
Nephritis (acute, chronic and unspecified)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Other diseases of the kidneys and ureters (puerperal diseases excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Diseases of the bladder (tumors excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Diseases of the prostate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Other diseases not specified as venereal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Diseases of Skin and Cellular Tissue</i>																														
Syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Violent and Accidental Deaths:</i>																														
Suicide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Accidental traumatism	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Other external causes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Ill-Defined Causes of Death:</i>																														
Total	8	23	31	2	7	9	1	7	8	1	2	3	7	16	23	15	31	46	-	1	1	-	1	-	1	3	5	8		

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			15-19 years		20-24 years		25-29 years		30-34 years		35-39 years		40-44 years		45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	10	4	14	-	-	-	-	-	-	-	-	-	-	-	1	2	1	2
With other forms of syphilis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
With epidemic encephalitis	1	1	2	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	15	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	50	48	98	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
With other disturbances of circulation	2	4	6	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-
With convulsive disorders (epilepsy)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Senile psychoses	8	23	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involutional psychoses	2	7	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	1	7	8	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-
With organic changes of nervous system	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	7	16	23	-	-	-	-	1	1	1	1	-	-	-	1	2	3	-
Dementia praecox	15	31	46	-	1	1	2	2	3	5	1	2	3	5	2	7	1	6
Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	3	5	8	-	-	-	-	-	-	-	2	-	2	-	-	1	1	-
Total	119	151	270	-	2	2	-	2	3	4	7	4	3	7	5	8	13	20
																	3	10
																	13	

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis																								
With other forms of syphilis	5	1	6				1		1	1		1												
With epidemic encephalitis																								
With other infectious diseases				1																				
Alcoholic psychoses	4		4	3		3	1		1	2		2												
With cerebral arteriosclerosis	2		2	2	4	6	5	1	6	11	12	23	9	11	20	11	11	22	8	4	12	2	4	6
With other disturbances of circulation																								
With convulsive disorders (epilepsy)				1			1		1										1		1			
Senile psychoses																								
Involuntary psychoses		2	2	1	3	4	1	1	2			1	1	2		2	5	7	5		9		8	8
Due to other metabolic diseases, etc.							1	1	1						1									
With organic changes of nervous system							1	1	1						1									
Psychoneuroses	1	1	2																					
Manic-depressive psychoses		2	2	2	3	5	1		1	1	4	5	1	2	3									
Dementia praecox	2	5	7	2	1	3	1	3	4	1	1	2	2	2										
Paranoia and paranoid conditions																							1	1
With psychopathic personality													1		1									
With mental deficiency										1		1		1	1									
Total	14	11	25	13	12	25	12	7	19	17	18	35	12	18	30	13	16	29	14	14	28	2	13	15

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

PSYCHOSES	Total			Less than 1 month			1-3 months			4-7 months			8-12 months			1-2 years			3-4 years		
	Total			Total			Total			Total			Total			Total			Total		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	10	4	14	-	2	2	3	1	4	1	-	1	-	1	2	1	1	2	3	-	3
With other forms of syphilis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	1	1	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	1	-	1	1	-	1	6	-	6	1	-	1	-	-	-	2	-	2	2	-	2
Alcoholic psychoses	15	48	63	13	12	25	19	11	30	3	5	8	3	2	5	6	10	16	3	1	4
With cerebral arteriosclerosis	50	48	98	3	3	6	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	2	4	6	1	1	2	-	2	2	1	1	1	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	8	23	31	4	8	12	-	2	2	2	5	7	-	-	-	1	2	3	-	1	1
Involutional psychoses	2	7	9	-	2	2	1	2	3	-	1	1	-	-	-	1	-	1	-	-	-
Due to other metabolic diseases, etc.	1	1	2	-	4	4	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	1	2	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	1	1	2	-	-	-	1	-	1	-	-	-	-	1	1	-	1	1	-	-	-
Manic-depressive psychoses	7	16	23	-	-	-	-	2	2	-	-	-	-	1	1	2	3	5	2	1	3
Dementia praecox	15	31	46	2	5	7	1	4	5	-	2	2	-	1	1	2	4	6	4	-	4
Paranoia and paranoid conditions	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	3	5	8	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Total	119	151	270	25	35	60	32	29	61	7	14	21	4	9	9	16	21	36	14	3	17

TABLE 19. *Average of Length of Hospital Residence during the Present Admissions of All First Admission Cases in Residence on September 30, 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	44	11	55	4.46	3.94	4.36
With other forms of syphilis	7	3	10	3.48	10.50	5.59
With epidemic encephalitis	6	7	13	5.66	3.34	4.41
With other infectious diseases	—	1	1	—	1.50	1.50
Alcoholic psychoses	61	16	77	7.20	8.54	7.48
Traumatic psychoses	8	3	11	7.86	.45	5.84
With cerebral arteriosclerosis	97	76	173	2.49	3.79	3.06
With other disturbances of circulation	—	3	3	—	9.16	9.16
With convulsive disorders (epilepsy)	11	11	22	6.49	5.04	5.76
Senile psychoses	21	35	56	3.24	4.10	3.78
Involuntional psychoses	11	36	47	5.49	4.84	4.99
Due to other metabolic diseases, etc.	4	3	7	3.97	7.83	5.62
Due to new growth	—	1	1	—	.45	.45
With organic changes of nervous system	13	7	20	4.72	8.64	6.09
Psychoneuroses	8	9	17	5.24	2.80	3.95
Manic-depressive psychoses	33	42	75	6.58	10.08	8.54
Dementia praecox	336	417	753	8.84	9.46	9.19
Paranoia and paranoid conditions	3	6	9	1.15	10.66	7.49
With psychopathic personality	6	4	10	6.49	9.23	7.59
With mental deficiency	60	83	143	9.79	8.40	8.98
Without psychoses	5	2	7	.45	.45	.45
Total	734	776	1,510	7.00	7.99	7.51

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmission Cases in Residence on September 30, 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	12	6	18	5.90	10.66	7.49
With other forms of syphilis	1	2	3	7.50	7.50	7.50
With epidemic encephalitis	3	5	8	4.15	6.70	5.74
Alcoholic psychoses	30	4	34	8.38	6.47	8.16
Traumatic psychoses	3	—	3	1.80	—	1.80
With cerebral arteriosclerosis	3	12	15	3.48	7.25	6.49
With convulsive disorders (epilepsy)	4	4	8	2.98	16.25	9.61
Senile psychoses	2	1	3	2.47	1.50	2.15
Involuntional psychoses	3	5	8	5.15	10.30	8.36
Due to other metabolic diseases, etc.	2	2	4	6.47	1.47	3.97
With organic changes of nervous system	5	2	7	7.29	7.50	7.35
Psychoneuroses	—	4	4	—	1.98	1.98
Manic-depressive psychoses	46	54	100	4.96	7.80	6.49
Dementia praecox	167	222	389	10.46	9.57	9.95
Paranoia and paranoid conditions	2	7	9	3.00	7.49	6.49
With psychopathic personality	5	—	5	8.50	—	8.50
With mental deficiency	24	45	69	10.32	10.60	10.51
Without psychoses	2	2	4	.45	.45	.45
Total	314	377	691	8.64	9.14	8.91

TABLE 20. *Family Care Statistics for Year Ended September 30, 1935*

	Males	Females	Total
Remaining in Family Care September 30, 1934	—	9	9
Admitted to Family Care during the Year	—	4	4
Whole Number of Cases within the Year	—	13	13
Discharged from Family Care within the Year	—	2	2
Returned to Institution	—	2	2
Remaining in Family Care September 30, 1935	—	11	11
Average Daily Number in Family Care during Year	—	10	10
Supported by State	—	8	8
Private	—	2	2
Self-supporting	—	1	1

The Commonwealth of Massachusetts

59th

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

Mass.: DANVERS STATE HOSPITAL

at Danvers (Irr.)

FOR THE

YEAR ENDING NOVEMBER 30,

1936

DEPARTMENT OF MENTAL DISEASES



PUBLICATION OF THIS DOCUMENT APPROVED BY THE COMMISSION ON ADMINISTRATION AND FINANCE
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TRUSTEES' REPORT

To His Excellency, the Governor and the Honorable Council:

The Trustees of the Danvers State Hospital respectfully offer the following annual report, including the report received by us from the Superintendent and the reports received by him from the various departments:

The Board has continued to hold monthly meetings at the hospital for conference with the Superintendent concerning the development of the institution and the upkeep of the plant.

During the present year certain important projects have been completed.

We are pleased to report that the new Hydrotherapy Buildings have been completed and are an excellent adjunct to the methods of treatment at this hospital; also, that the new fire alarm system has been installed with boxes properly located in every part of the institution.

The Power House has been enlarged and renovated and we now have three new 400 h.p. boilers with oil-burning equipment, which provide plenty of steam for heat and power for the institution.

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We again call attention to the needs of the institution, which have been requested in the previous messages:

A new building on both the male and female sections, and connected with the present buildings, to better provide for the infirm and convalescent patients, these buildings to be approximately of the same size and shape as our present ward buildings, and to house approximately two hundred more patients on each side. This will aid greatly in relieving the present congestion on certain wards. The cost of these buildings would be about \$700,000.

A new tubercular building, which will accommodate both male and female patients, at a cost of \$300,000.

The Chapel should be enlarged to accommodate three times the number of patients that it now will care for. This will mean making room for some thirty-five employees now quartered in the Rear Center section, in order to follow through with this contemplated reconstruction. The cost of the building would be \$125,000 and the furnishings, \$7,500.

At this time we would call attention to the fact that both the Front and Rear sections of the Administration Building should have other means of egress than that which now exists. The ideal plan for the Front Center would be a fireproof staircase extending from the fourth floor and with an outside exit on the ground, at a cost of \$6,000. As to the Rear Center, plans have long been recommended to do away with the section and increase the size of the Chapel with modern construction. Therefore, at this time it does seem feasible to recommend the type of staircase mentioned as desirable for the Administration Building, front section.

For some time we have realized that the roofs of the main building need attention. In some instances the foundation boards show deterioration. Therefore, the slate shingles cannot be secured properly. This would mean extensive alterations of a difficult nature. It might be well in making this recommendation to request that one building be done at a time. The cost of the alterations on one building would be about \$6,500.

We have long felt that the Danvers State Hospital has now reached a population so large that an acute reception building would be highly advisable. This building would provide facilities for the care of acute cases and we would expect that many cases given intensive treatment over a short time, separated from the more chronic cases, would have a better opportunity to get well. This feature would, of course, again be a splendid opportunity to relieve the present congestion. The cost of the building would be \$350,000, while the equipment would cost \$50,000.

We are greatly in need of room for our employees and would request the building of a home for married couples. This would also permit of room space for the employees now quartered in the section known as Rear Center, and which would be removed in the event of the enlargement of the Chapel. The building would cost \$150,000 and the furnishings, \$15,500.

Additional living quarters are needed for the new employees made necessary by the 48-hour week law. It will be necessary to have additional space for approximately 117 employees. This could be cared for by building an addition to the Male Home, the Female Home, and the building used by employees at the Middleton Colony group. The cost would be approximately \$225,000.

We again make the request of fireproofing the entire first floor. This would be a splendid step forward in fireproofing the institution and would serve as a preventive measure in basement fires, and, coupled with the sprinkler system in the attic, would safeguard our patients in the event of fire. The cost would be \$153,000.

With the added number of new employees, the laundry should be enlarged and reconstructed in order to do more efficient work and to be in position to accept the greater volume which it now has to meet. This could be done at a cost of \$64,000.

In connection with the laundry, we would report that we should replace the following old equipment with modern equipment: 1 Compressor; 5 clothes presses; 2 extractors; 3 washers; 3 drying tumblers. The cost would be \$28,133.

We would recommend re-wiring Middleton Colony, barn, piggery and hennery. Walk lighting is also needed from the public entrance to Maple Street. The total cost would be \$17,000.

The sprinkler system has been modernized in the A building and in the J building. We strongly urge that this modernization be continued to the B, C, D, F, G, H and I buildings, to include new pipe fittings and risers from the basement, also a sprinkler system at Middleton Colony, at a cost of \$43,000.

Eight more continuous tubs and controls are needed for the Hydrotherapy Buildings. The cost would be \$8,000.

The following is somewhat of a repetition but represents a summary of recommendations as made by Mr. Harry Atkinson, Building Inspector from the Commission of Public Safety, who made an inspection of the Danvers State Hospital and submitted a report under the date of March 31, 1936:

1. The sprinkler systems in the attics of buildings B, C, D, E, F, G, H, and I, although approved in the report, are no adequate and are not up to present standards, both in spacing of heads and size of mains. The complete renewal of these systems, as requested in the last year's budget, is recommended.

2. The report states that standpipes should be re-located so as to be more accessible in buildings D, G, H, I and J. The standpipes in buildings A, B, and C are in the same relative locations as the ones mentioned in the report and should be re-located if the others are changed. If these standpipes are moved they should be located in a wall of the alcove mid-way of the ward. A flush hose cabinet should be provided. It is felt that the re-location of these pipes is of lesser importance than most of the other recommendations.

3. It is recommended that a metal cabinet be provided in each ward for the storage of floor oil, mops, etc. This would be a very good safety measure. A good sized steel locker would be sufficient.

4. It is recommended that sprinklers be provided in all closets used for storage of clothing and other materials; also, the use of "Firetox" automatic tetrachloride extinguishers in the above-mentioned places. We asked for them in last year's budget but they were not granted, and we would repeat the request in this year's budget.

5. It is recommended that fixed sash be provided between wards and enclosed fire escapes and that wired glass replace the common glass in these sash. This situation occurs at buildings C to H and at Grove Hall. This is a very necessary precaution.

6. Concrete floors, throughout, on the first floor of the main group, are recommended. They would be an excellent protection against the spread of fire from the basements.

7. We recommend that wide exit doors with ramp to ground be provided from A-1 and J-1 sun porches. This is to better facilitate the removal of infirm patients from these wards.

8. It is recommended that the open fire escapes from B and I sun porches be replaced with enclosed stairways, at least three feet, six inches wide, between hand rails. This would be desirable.

9. It is recommended that the section of D basement now used for paper storage be discontinued. This room is now equipped with water sprinklers and the ceiling is fireproofed.

10. Better exits are recommended, except as before noted, at E and F buildings. These changes are very desirable.

11. It is recommended that the sprinkler system be extended in the mechanical building to include all space beneath the carpenter shop. This takes in the machine shop, plumber's shop and electrician's shop. This work should be done.

12. It is recommended that the basement in "Gray Gables", employees' home, be equipped with sprinklers, and the front stairs enclosed on each floor with fire-proof partitions and self-closing fire doors. These changes are very necessary for the safety of occupants of this building.

13. It is recommended that all hardware on the exit doors at the Male Home be changed to the type which requires operation of the knob only for exit purposes; make all doors to stairways self-closing; provide hand rails on stairs in old section.

14. It is recommended at the Middleton Colony that all stairways be enclosed at second floors; provide hand rails on stairways; provide metal cabinets for floor oil, mops, etc.; swing all exit doors outward where not so arranged.

A perusal of this report will indicate the work done by the various departments throughout the last year. It will be seen that the work may be divided for the purpose of study into several important divisions. First, the maintenance of the physical plant, of which many parts have been constantly in operation since 1878 when the institution was accepted. Secondly, the care of nearly 2,300 patients who have been entrusted to us. This means adequate and proper food service, adequate and proper shelter, with medical and nursing supervision for those who are unable to help themselves.

A study of departmental reports will show, without question, the effort made by the employees of this institution to measure up to the standards required by our State, and it is our feeling, in a measure, that the spirit and attention of these employees directed to the care of the patients have been praiseworthy and satisfactory. Not only is the interest of the Danvers State Hospital directed intensively to the above procedure but more than that, as has been pointed out in previous communications, this institution has a series of mental hygiene clinics for adults and for children in the nearby towns of Beverly, Haverhill, Lawrence, Lynn, Melrose, Newburyport and Salem; so that again reviewing our problem, we see that our work is two-fold, namely, the best possible care for patients in our institutions and the maintenance of the plant. Secondly, with an eye toward the prevention of mental illness by reaching those children in the community who are showing signs of nervous instability and who can be reached through advice to the parent. It should be said, in explanation, that these clinics are patronized as any other form of health clinic is utilized, that they are very busy and require the intensive work of two experts in child guidance, both physicians of splendid training, plus the attendant duties of the Social Service division of the institution and the Psychological Department.

In order to meet changing conditions and in order to give the best service possible, it is necessary to make progressive changes from time to time and it is our feeling that this institution has done these things to the best of its ability. This Board has met regularly each month, has discussed in detail with the Superintendent each and every problem, and it is our feeling that a word of approval should be given the nearly 520 employees of the institution for their duties well-performed during this last year and representing the substance of this report.

Respectfully submitted,

MR. S. HERBERT WILKINS, *Chairman*

DR. ARTHUR C. NASON

MR. JAMES F. INGRAHAM

MR. THOMAS D. RUSSO

MR. H. C. McSTAY

MRS. ANNIE T. FLAGG

MISS MARY T. O'SULLIVAN

Trustees.

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The fifty-ninth annual report of the Superintendent for the fiscal year ending November 30, 1936, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1936.

MOVEMENT OF POPULATION

The hospital year opened on October 1, 1935 with 2,193 patients in the hospital, 349 on visit, 11 on escape, and 11 in family care, making a total of 2,564.

The year ended on September 30, 1936, with 2,297 patients in the hospital, 299 on visit, 15 on escape and 10 in family care, making a total of 2,621.

The number of admissions during the year were: 522 male; 428 female; total 950; a decrease of 3 over the preceding year.

There were 6 voluntary patients admitted during the past year; 27 patients were transferred from other institutions; 310 men and 238 women were admitted on temporary care papers and 80 men and 62 women were admitted on thirty-five day observation papers.

FIRST ADMISSIONS

There were 573 patients admitted for the first time to this or any hospital, which is a decrease of 8 over the preceding year.

DAILY POPULATION

The total average population for the year ending September 30, 1936 was 2,232, an increase of 56 over last year. There were 3,514 patients treated during the year as compared with 3,450 in 1935.

During the year 262 patients died in the institution, which is 38 less than the preceding year.

DISMISSALS

During the past year 889 patients were discharged from the institution; 494 men and 395 women. Classified as to their condition on discharge; 61 recovered; 342 as improved; 370 as unimproved; and 116 as without psychosis. The figures for the preceding year were as follows: 48 recovered; 328 as improved; 391 as unimproved; and 125 as without psychosis.

On September 30, 1936, there were 349 patients on trial visit in care of friends or under hospital supervision, as compared with 336 in 1935.

Since the organization of the hospital, 34,974 patients have been admitted and 32,450 discharged.

MEDICAL ADMINISTRATION

The following changes in the personnel of the Staff occurred during the year:

Appointments

Dr. Leo Maletz, promoted from position of Assistant Physician to Senior Physician, December 1, 1935.

Dr. Margaret D. Welch, appointed Senior Physician from February 24, 1936 to March 14, 1936 and again from May 21, 1936 to July 7, 1936, during a leave of absence granted Dr. Doris M. Sidwell.

Resignations

Dr. Charles C. Joyce, Senior Physician, Pathologist, was placed on leave of absence on November 21, 1936, due to illness.

Clinical Assistants

Janith Stewart Kice, University of Vermont.

H. Parker Wetherbee, University of Vermont.

Irving M. Pallin, Tufts Medical College.

John J. Driscoll, Tufts Medical College.

Maurice F. Mulville, Tufts Medical College.

MEDICAL SERVICE

The Assistant Superintendent has continued to supervise the medical work during the past year in addition to his usual administrative duties. This service is now well organized and the usual degree of efficient work has been turned out. Besides the usual daily ward rounds, weekly night visits by the physicians have been continued. The usual staff conferences have been held daily and the diagnoses, visits and discharges of patients have been considered carefully.

The work of periodical physical and x-ray examinations of nurses in training, as well as routine physical examinations of all new applicants for employment, have been valuable adjuncts in the preventive field.

A new position of medical director has been created but to date the position remains vacant. No changes in personnel have been made. For a period of five months we were fortunate in having the services of a full-time resident physician, also another who remained for a month. These physicians lent valuable assistance to the arduous duties of the regular staff members.

The sixteen-lecture course in psychiatry for the various schools of nursing in Essex County was completed in February. This fall a few schools requesting instruction were given lectures by the members of the staff. Lectures to the students of our own training school, as well as to four classes of affiliating nurses and two classes of occupational therapy students, have been given by the staff members. The Assistant Superintendent has continued to give instruction to the 16 fourth year medical students from Tufts College Medical School. Each student has spent a month at the hospital for practical training in psychiatry. The demand for speakers for various clubs, societies and associations has been increasingly heavy, but has been met.

During the months of August, September and October, Dr. Leo Maletz spent time at the Boston Psychopathic Hospital assisting in the Neurosyphilitic Clinic. During his leave of absence Dr. I. Paley Rubin substituted.

Dr. M. Gene Black has continued her intensive study of the tuberculosis problem so that most of the patient population has now been checked up thoroughly and all active cases have received modern treatment. Dr. James F. Seccareccio spent a great part of his time assisting in this work.

The invaluable assistance rendered by our consulting board of physicians and surgeons has been of the highest order, and I wish to express my sincere appreciation of their continued faithfulness and untiring efforts.

The following report indicates the major work accomplished by them during the year: appendectomies, 6; bone operations, 11; cystotomies, 7; cystoscopies, 2; dilatation and curettage, 1; emergencies, 18; fracture reduction, 6; incisions and drainage, 17; laparotomies, 6; manipulations (manual), 3; septum resection, 1; transfusion, 1.

HYDROTHERAPY DEPARTMENT

In March the newly completed hydrotherapy buildings were officially opened for the administration of treatments to both men and women patients. Each building consists of three continuous bath rooms, one pack room, one colonic irrigation room, one tonic bath suite and a general bathing suite, with complete modern equipment. Since the opening date these buildings have been in constant use in spite of the fact that no increase in personnel was allowed. The following table indicates the vast number of treatments that have been given during the year:

<i>Wet sheet packs:</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
Number of patients treated	263	546	809
Number of packs given	5,470	12,308	17,778
Number of hours of treatment	13,574	33,496	47,070
<i>Continuous baths:</i>			
Number of patients treated	119	325	544
Number of baths given	2,314	3,356	5,670
Number of hours of treatment	6,394	14,449	20,844
<i>Tonic baths (all types):</i>			
Number of patients treated	144	112	256
Number of baths given	1,898	3,391	5,289
<i>Colonic irrigations:</i>			
Number of patients treated	51	89	140
Number of irrigations given	194	332	526

PHYSIOTHERAPY DEPARTMENT

The work of this department has continued to be very active during the past year and has required the services of a full-time trained therapist. For several months assistance from the nursing service was available, but was discontinued at the time of the opening of the new Hydrotherapy Buildings. Beside carrying on the active treatments, the physiotherapist has conducted classes in massage for student nurses.

A total of 12,628 treatments were administered during the year ending November 30, 1936. They were as follows: infra red, 5,238; diathermy, 2,460; sine wave, 2,869; ultra violet (air cooled), 479; ultra violet (water cooled), 358; massage, 1,224.

PERSONAL HYGIENE DEPARTMENT

Treatments of the deteriorated and untidy patients have continued throughout the year and the results have been most gratifying. This department has now become an indispensable part of the treatment program and requires the work of a full-time personal hygienist as well as several patients who take an assistant's part. The work has increased considerably throughout the past twelve months, as is indicated by the table: hair cuts, 4,778; shampoos, 2,640; manicures, 2,907; waves, 2,278; massages, 2,031; scalp treatments, 1,959. Total number of treatments, 16,593.

VENEREAL CLINIC

The service has continued to function without interruption and many patients have been treated with the various arsenical preparations as well as by Malarial Therapy. Those receiving a course of each showed better results than those receiving only one form. As in the past, two mornings a week have been devoted to this work, so that men and women could be treated at different times. There were 60 men and 35 women who received active treatment which consisted of 840 tryparsamide treatments, 475 neosalvarsan treatments, and 510 treatments with bismuth.

DENTAL SERVICE

A full-time resident dentist and a dental hygienist have carried on the work of this department during the year. All newly admitted cases have been given a thorough examination, and prophylactic treatments have been administered to the whole population. A survey of the work for the year ending November 30, 1936, is herewith submitted in tabular form:

Cleanings, 423; extractions, 1,044.

Fillings: Silver amalgam, 495; porcelain, 300; zinc oxide and Eugenol, 243; kryptex, 1; silver cement, 3; cement, 3. Total, 1,045.

Oral treatments in general: Vincent infections, canker sores, gingivitis, toothache, abscesses — Total, 681.

Prosthetics: Full plates completed, 20; partial plates completed, 9; bridges completed, 3; gold crown, 1; plates repaired, 8; false plates marked for identification, 112; miscellaneous corrections, 58. Total, 211.

Fractured jaws, 2; Dr. Doherty visited fracture case, 8 visits; referred to x-ray, 37; new patients examined, 883; re-examined patients, 246; total number of patients treated, 2,922; lectures to student nurses, 6 hours.

X-RAY DEPARTMENT AND LABORATORY SERVICE

These services have been carried on in spite of the fact that the director has been ill for some time. The work of the laboratory has been done by the technician, supervised by various members of the medical staff. Both Dr. Edgar C. Yerbury and Dr. Salvador Jacobs have carried on the work of the x-ray department, giving much of their time to this important service. The amount of work completed during the past year is herein reported:

Autopsies, 30; bacteriological smears, 42; bacterial cultures, 10; basal metabolic rate determinations, 2.

Blood Chemistry: blood sugar, 8; N.P.N., 5. Blood cultures, 3.

Blood examinations: red blood counts, 1,153; white blood counts, 1,146; hemoglobin estimation, 1,153; differential counts, 147; sedimentation test, 1; typing, 1; coagulation time, 14; bleeding time, 14.

Gastric analysis, 1.

Gynecological smears, 34.

Pleural fluids, 3.

Spinal fluids: gold sols, 146; cell counts, 146.

Miscellaneous: sputum examinations, 147; stool examinations (including culturing), 35; urinalysis, 3,854; phenolsulphonphthalein test, 1.

X-ray: Cases, 540; exposures, 980.

PUBLICATIONS

Only two papers were published during the year, the titles and authors being as follows:

1. "Traumatic Psychoses: A Study of Fifty Committed Cases" by Clarence A. Bonner, M.D. and Lois E. Taylor, M.D., published in the American Journal of Psychiatry, Vol. 92, No. 4, January, 1936.
2. "Overlapping Symptoms in Catatonic Excitement and Manic Excitement" by Clarence A. Bonner, M.D. and Grace H. Kent, Ph.D., published in the American Journal of Psychiatry, Vol. 92, No. 6, May, 1936.

PSYCHIATRIC CLINICS

The usual clinics for patients on visit have continued throughout the year and have been held at Gloucester, Haverhill, Lawrence, Lynn, Malden, Newburyport and Salem. Several of these clinics have been built up to considerable size, due to the greater number of patients permitted to go out on visit. Only an occasional case is referred by physicians in the community, although this service has been extended to them for several years.

ADULT MENTAL HYGIENE CLINIC

This clinic has continued to function efficiently under the direction of Dr. Leo Maletz. Many cases have been seen each week at the Lynn Hospital, where a thorough study has been made of them and followed by intensive treatment. Students from Tufts College Medical School are assigned to this clinic as part of the month's clinical training.

CONSTRUCTION REPORT

The maintenance department cares for the general buildings consisting of approximately 700,000 square feet of floor area and 325,000 square feet of roof surface.

The work of the department includes carpentry, mason work, painting and glazing, sheet metal roofing, blacksmithing and light iron work.

During the past year repairs, renewals and alterations were made to woodwork, doors and sash; tile, concrete and linoleum floors; plaster and masonry walls; iron and metal work; and to slate, tar and gravel, asphalt and metal roofs.

Grove Hall building was completely renovated and new toilet and shower rooms were installed. Terrazzo floors were installed in these rooms and throughout the basement. Cottages No. 6 and No. 7 were repapered and renovated inside. The exteriors of the laundry building, kitchen and dining room building, greenhouse, and cottages No. 1 and No. 5 were painted. The interiors of the main group of eight ward buildings were completely painted throughout by W.P.A. labor, working in conjunction with the hospital's regular crew of painters.

The carpenters laid several new wood floors and prepared the floors of four wards to receive 2,400 square yards of new linoleum.

The masons laid new granolithic in basements, put new tile floors in bathrooms of three wards, laid new slate floors in creamery building, and replastered ceilings and rooms in main ward buildings, Grove Hall and Employees' Homes.

Besides shoeing of horses and maintaining the trucks and wagons, the blacksmith made a new fire escape for the laundry building and made all light iron fixtures used in new work and repairs of the buildings.

The carpenter shop milled out all stock, mouldings, doors, sash and frames used in the work of the department and made furniture, desks, farm boxes and truck bodies.

During the last month of the year a mechanic to do roofing and sheet metal work was added to the department. It is expected that this mechanic will be able to care for all ordinary repairs and replacement of slate, tar and gravel, and metal roofing with the exception of certain large areas which are in need of complete renewal.

ENGINEER'S REPORT

The major projects completed during the fiscal year are indicated in the following report:

A new lighting system was installed in the tunnels under the main hospital group.

Telephone conduit was installed throughout for all telephones.

Switching of the ward lights in the main corridors was changed from single to double circuit.

Thirty-nine drinking fountains were installed throughout the main hospital.

A new plumbing system was installed at Grove Hall.

All basement track for trucks was taken up, repaired by welding and relaid.

Ventilating fans in A-B-I-J buildings were equipped with new bearings and motor drives were installed.

Equipment for our new cannery was installed and put into operation.

A new ventilating fan was installed in the surgical building, also condensers were made up and installed to condense the excess of vent steam from the instrument and pan sterilizers.

Three new bathrooms were installed in the B building.

All steam traps on the heating system were tested and repaired where necessary.

Dial thermometers were installed on the main shower baths in the new hydrotherapy buildings. Two cooling fans were installed in each of the two hydrotherapy buildings.

Electric hot plates were installed in place of gas plates throughout the main ward buildings.

New electric cables were installed to each of the two tubercular buildings.

The head and foot pieces of 32 new pack beds were cut down nine inches and rewelded, also one-inch pipe side rails were attached to each bed.

Two portable blanket dryer racks were made for the bath houses.

Guide rails were also made and installed to guide the blanket dryer racks into the drying closets.

A new lighting system was installed in the passageways from wards to dining room, greatly increasing the visibility.

A new ventilating fan was installed in the ceiling of the employees' dish-washing room.

The surge tank on the refrigerating system was removed from the attic over the chapel, was repaired and reinstalled on the roof of the new kitchen building.

A flow valve was installed in the feed line to the attic sprinklers at Grove Hall. This valve automatically gives the alarm in case a sprinkler head operates.

A new electric dumb waiter was installed in the administration building to replace a very old and worn-out hydraulic machine.

New kitchen sinks were installed, one in ward G-1 and one in ward I-1.

Three iron tables and four meat racks were made and installed in the cold storage meat rooms at the Service Building.

The motor and drive for our stone crusher were relocated and wired with safety switches for better and safer operation.

The following changes and additions were made in the laundry equipment: Rebuilt the ventilating fan and installed new motor drive in mangle room. Rebuilt one old wooden washer; installed two soap tanks in wash room; installed one new washer, electric driven; relocated one of the old washers; removed one of the old extractors; installed wiring for new Troy extractor; installed a new starch kettle; installed two new garment presses; installed a new air compressor to furnish air to operate the new presses; relocated and reconnected the old shirt and collar machines.

The following projects were done by contract under a P.W.A. grant:

A fire alarm system has been installed with a total of eighty fire alarm boxes.

A complete new boiler equipment is being installed at our main power plant. It consists of three 400-horse power boilers, oil-fired, a new feed water heater and two new feed pumps. The job is about 80% completed.

FARM REPORT

This year was marked by a drought, the severity of which effected a considerable reduction in the crops which we might otherwise have expected. Our hay in particular was the most severely affected, the yield being but 215 tons. Part of this was of decidedly poor quality. The potatoes likewise were reduced to 1,735 bushels.

With increased efficiency of the farm, productivity has been greatly increased; each tractor more than carrying on the work of the two teams which it supplanted. By adapting our available equipment to tractor use, together with the acquisition of such new machinery as may be found necessary, we believe that the slow and inefficient horse may, in time, be entirely displaced.

The ensilage yield was 494 tons of excellent quality. Other yields were pork 76,257 lbs., eggs 18,941 doz., beef 20,248 lbs. By the control of cannibalism and a consequent reduction in the mortality of laying birds lost through this cause, our yield should be materially increased this coming year.

The cattle are now entirely vaccinated for contagious abortion. In cooperation with the Federal Bureau of Animal Industry our calves are being vaccinated as they arrive at the proper age, and we feel that we have this dangerous malady well under control.

During the last two years the incidence of infectious mastitis has been reduced from in excess of 90% to practically nothing. This has been achieved through systematic vaccination and rigid adherence to practices of cleanliness and disinfection.

By recourse to rigorous culling a number of superannuated cows, those with sore feet, blind quarters, etc., have been removed from the herd. We start the year with a herd of young healthy animals and feel that we may expect a substantially increased production. The total yield this year was 995,388 lbs.

The raspberry bushes were transplanted from field No. 16 to field No. 20 where there are now nearly an acre of these useful plants.

A bookkeeper has been added to the farm force this year and this will result in more complete records being kept with a corresponding increase in efficient farm operation.

The new cannery has provided an unexcelled method of storing surplus vegetables for winter use. This year despite some losses at the first of the canning season there were 5,452 No. 3 cans of corn, 4,864 gallons of beans, and 1,035 gallons of tomatoes put into storage.

Due to the increasing mechanization of our farm there has not been the usual amount of activity in this work the past year. Previously most of this work has been accomplished during the idle season as a means of keeping the teamsters and horses occupied. Limitations inherent in tractor farming, deep mud, snow, ice, etc., circumscribe to a certain degree the work which may be done through the winter months. The greatly increased efficiency, however, of machine farming more than compensates for any losses which may be incurred through these faults.

Work has gone forward upon the large parking space and this will probably become available sometime this year.

Owing to the installation of oil-burning furnaces the unsightly coal pile in the rear of the power house has been removed and the grounds about this building are in process of beautification. Grading is being done, and with grass sown upon the banks the general appearance will be greatly improved.

An unusually large number of stones, both large and small, have been removed from the fields. This work, while not apparent to the casual observer, greatly facilitates agronomical operations and aids in eliminating costly and untimely breakage of farm equipment. Many of these stones have been employed as filling in the abandoned gravel-pit adjacent to the engineer's house at the Middleton Colony. We hope that this year will see the completion of the project, and after grading and seeding this unsightly spot will be no more.

The roads have been maintained in their usual excellent condition. Scraping at regular intervals, together with judicious application of surfacing materials have resulted in a hard, smooth road-bed.

During the past year bus service has been instituted to the hill which has required sanding the roads to an unprecedented degree. This work has been so successfully prosecuted that the service has been practically uninterrupted throughout the icy season.

In field No. 16 nearly a half acre has been reclaimed on the site of the abandoned railroad track. Aside from the value of the land the improved appearance of the field amply recompenses the time expended on this project.

RELIGIOUS SERVICES

The religious services, which have been held each Sunday throughout the year, have contributed in bringing spiritual inspiration to our patient population. The following Catholic, Protestant and Jewish clergymen have officiated at these services during the past year: Rev. Remi B. Schuver, Rev. Charles M. Charlton, Rev. William Grimes, Rev. Wayne Haskell, Rev. Kenneth Henley, Rev. John Knight, Rev. Russell T. Loesch, Rev. Nathan Matthews, Rev. Arthur Wright, Rev. Alfred F. Ferguson, Rev. Moses L. Sedar.

ACKNOWLEDGEMENTS

I again wish to express my sincere appreciation to all those who have been so thoughtful in making contributions to both our library and Patients' Entertainment Fund; and to all the various organizations who have given so freely of their time to bring pleasure to our patients, I wish to express my thanks. To my hospital officers and employees, who have given me such loyal support during the year, I wish to extend my appreciation. I am indebted to the Department of Mental Diseases and the Board of Trustees for their continued support and helpfulness, for which I am indeed grateful.

Respectfully submitted,

CLARENCE A. BONNER, M.D.

Superintendent.

REPORT OF TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the forty-seventh annual report of the Training School for Nurses.

Personnel, November 30, 1936:

Principal, School of Nursing	1
Assistant Principal, School of Nursing	1
Chief Hospital Supervisor	1
Assistant Supervisor (day)	2
Assistant Supervisor (night)	1
Head Nurses, graduates of Danvers State Hospital	12
Head Nurse, graduate of Salem Hospital	1
Head Nurse, graduate of J. B. Thomas Hospital	1
Hydrotherapist	2

There were 106 requests for information in regard to the Training School. Twenty-three applications were received. Eight failed to meet the requirements. Thirteen applicants were accepted. Eight changed their minds. The remaining 7 reported for duty October 1, 1936. Five applicants who were too late to join the class entering October 1, 1935, entered this year, making 12 probationers. Two of these have withdrawn.

On November 30, 1936, our students were as follows: Seniors, 11; intermediates, 8; probationers, 11.

The affiliated nurses for the year ending November 30, 1936 were as follows:

Leominster Hospital: — Mary Agnes Carter, Marjorie B. Firman, Elizabeth Ann Sacino, Rita Manning, Ruth Anne Keefe, Rose Margaret Dion.

Somerville Hospital: — Lucie M. Powers, Amy Elizabeth Dearborn, Thelma Elizabeth Gray, Helen M. Cheever, Mareta Hardy Frotten, Emma Deunen, Dorothy E. Rich, Dorothy J. Higgins.

Chelsea Memorial Hospital: — Hazel Raugdale, Mary Agnes Crowley, Cecelia McNulty, Mary Louise O'Donnell, Florence Shaw Auderberg, Virginia Rose Small, Mary Elinor Hilyard, Doris Martin, Dorothy Birch, Sabina Rigione, Helen Hood, Marion Doyle.

New England Sanitarium and Hospital: — H. Elton Roach.

Henry Heywood Memorial Hospital: — Julia Orelia Martin, Alice Martha Hedge, Dorothy Mulcahy, Mary A. Pillsbury.

Melrose Hospital: — Margaret Walsh, Beatrice Woodbury.

The graduating exercises were held September 16. The following nurses received diplomas:

Mary Boyko	Mildred Catherine Jarosz
Dorothy Lovell Briggs	Sally Kozalska
Lucille Marie Charest	Edna Earle Mewborn
Margaret Collopy	Mary Grace Moran
Eileen Virginia Eaton	Muriel Emily Paul
Ellen Mary Farley	Anne Florence Shanahan

Mildred Catherine Jarosz was awarded the Alumnae prize of ten dollars for the highest rank for three years.

Beginning October 1, 1936, our students received for the first time an allowance of ten dollars a month instead of the attendant nurse salary.

New equipment consists of an ear and eye model, a new anatomical chart (life size), skeletal system.

Changes in Personnel: — The following nurses resigned to accept head nurse positions at the Metropolitan State Hospital: Madelyn Alita Douglass, Class of 1930; Julia Ethel Kealey, Class of 1935; Antoinette Piragis, Class of 1935.

Rita Catherine Flynn, Class of 1935, resigned to be married. Catherine Patricia Greene, Class of 1935, resigned to do post-graduate work in pediatrics. Hilda Dillon Hogg, Class of 1935, transferred to the male service.

I wish to thank the following members of the medical and hospital staff for their kind cooperation and help with the teaching:

Dr. Edgar C. Yerbury
Dr. Salvador Jacobs
Dr. Leo Maletz
Dr. Melvin Goodman
Dr. William C. Inman
Dr. George W. Wheeler

Dr. Velma H. Atkinson
Dr. Philip R. Dwyer
Dr. Bernard Appel
Miss Mary H. Holland
Mrs. Madeline Beagin
Miss Polly Francis.

Respectfully submitted,

OLIVE F. ESTEY, R.N.,

Principal, School of Nursing.

OCCUPATIONAL THERAPY DEPARTMENT

To the Superintendent of the Danvers State Hospital:

It is my privilege to submit the following report of the Occupational Therapy Department for the year ending November 30, 1936:

Personnel:

The Occupational Therapy Department is composed of four graduate therapists and one graduate physical education instructor. The remaining members of the department consist of four students affiliating from the Boston School of Occupational Therapy for six-month periods and three special attendants. Miss Frances Howard, therapist from April, 1935 until May, 1936, left to assume a directorship at the Institute of Human Relations in New Haven. She was replaced by substitutes until July when Mrs. Olive Campbell, 1936 graduate of the Boston School, was installed as a regular member of the department. An intensive program including all types of activity possible is maintained by the present staff.

I. Reception Service:

As a part of the Reception Service over 800 patients were seen and interviewed during the year. The interview consists of an informal visit by an occupational therapist who reads or presents a letter of reassurance from the Superintendent and answers questions regarding the institution and its resources. Purposes of this service are to aid in orientation of the patient, adjustment, and to help make a more satisfactory contact.

II. Adjustment Classes — Shop and Ward:

The class service for the female wards is much heavier than for the male at present: four daily classes and two weekly classes. The male service consists of three: two of which average a daily attendance of thirty patients each. There are additional smaller groups for book-binding, recreation and other activities, irregularly conducted throughout the year. Bi-products of supervised activity as treatment are grouped under the following classifications:

1. Household furnishings.
2. Creative arts: sketching, sculpture, miscellaneous craft and party decorations.
3. Recreational, musical and dramatic productions.
4. Educational — correspondence courses, exhibits, hobbies.
5. Book repair and typing.
6. Personnel training for library management, etc.

Under classification No. 1 and part of No. 2, patients produced under supervision (as treatment for sedation, stimulation, concentration, physical correctives or social adjustments depending on activity selected and individual being treated) the following articles:

One hundred thirty-six (136) woven rugs; 7 braid weave rugs; 7 hooked rugs; 415 embroidered runners; 41 woven runners; 22 covers; 121 pillows; 4 choir sets;

54 prs. of curtains for the wards; 4 door wedges; 16 fern boxes, as well as several each of the following: waste baskets, mats, book-ends, book racks, name signs, toys, boxes, games — checkers and cribbage for the wards — ash trays, footstools, etc. All of these are utilized throughout the hospital; special attention is being paid to the unity of design and color to stimulate appreciation and interest of the patients in the environment. Other work habit-forming activities such as sand-papering, re-fluffing cotton for stuffing pillows, rolling strips for weaving, pulling burlap, etc., are classified as low-grade performances. Many senile, arteriosclerotic and agitated patients derive more benefit from this type, often progressing with encouragement to higher level activities. An average of 200 patients receive individual treatment each month in these classes. The turnover of groups and patients is variable depending on visits, promotion to industries and other similar factors.

Reports:

Bi-weekly conferences have been held with the psychiatrists in charge of each service for preparing prescriptions and receiving advice concerning the treatment of the patients in classes. Reports are prepared on each patient whose case is being presented at staff conference if he or she has had any prescribed occupational therapy; these are presented to the doctor to be used as a reference during the presentation of the case. Monthly remarks are also prepared on each patient receiving individual attention and a report on the department as a whole.

Recreational:

Groups of cribbage and checker players have been organized on the admission wards and where there are groups of non-workers as stimulating and socializing activities. Weekly dances during the season are utilized as another medium of treatment under student and graduate therapist guidance. Seclusive and shy patients are helped to make social contacts and those patients wishing to learn to participate are aided in their adjustment. W.P.A. vaudeville performances have been conducted weekly with a therapist as official hostess. Band concerts and other entertainments have been supplied by outside societies. The month of December, 1935, was almost entirely devoted to recreation, music and dramatics as treatment. An elaborate program included parties on the admission wards, a pageant by the choir in addition to the customary dance, carnival, shop parties and carolling.

Music:

The choir has expanded from 30 members to 70 and continues weekly rehearsals with an educational feature provided by one of the members each week. During the summer four community singing evenings were conducted; the average attendance was 130 patients.

Industrial Efforts in Occupational Therapy:

For patients not requiring as individually planned activity there are three daily groups of work habit classes under special attendant management, with occupational therapy department supervision. Over 60 additional patients from the wards of non-workers have been re-educated into this program. Several have been inactive or destructive and the therapy has been an aid in caring for them. This branch is very gradually expanding. A total of 1,056 cafeteria napkins, 106 doilies, 113 washcloths, and over 1,000 flour sacking handkerchiefs and washcloths have been made in these and other classes of a similar nature conducted throughout the year by nurses, attendants and occupational therapists. These are very short-time projects to stimulate the sense of quick accomplishment among patients who lose interest easily. Interest is retained by breaking up the activity into small units of time and production.

Education:

There are over 4,000 books in the library. These have been for the most part donations from visitors, church societies and other libraries. For this reason it has been necessary to conduct a book-bindery and censor board. An average of 900 books are withdrawn monthly. The distribution of books is encouraged in three ways: 1. Parole patients may visit the library freely. 2. A group of non-parole patients are escorted weekly by an occupational therapy student to the library in order that they may select books or magazines for the week's reading. 3. The wards are visited each week in order that patients who are unable to make

the visit may select reading matter. The five patients who have been trained to care for the library as their treatment have weekly conferences with the director or student in charge of the service. At this time problems are discussed and improvements or suggestions made. The Danvers State Hospital Librarian (Occupational Therapist, ex-officio) was made a charter member of the Group of Institution Librarians. At the present time the hospital medical library is also being managed by the department.

Educational and Exhibit Interests:

An art exhibit of patient and employee talent was held in May with an attendance of approximately 500 visitors. An issue of poems written by patients was presented to the staff, other Occupational Therapy Departments, wards and contributors after a tea and meeting of the patient-contributors. The annual exhibit at the Essex Agricultural Society Fair consisted of material depicting the types of activities, gradation of work and purposes of work as treatment. Other professional people, educators and laymen were very much interested in the display of material. At the Massachusetts Association of Occupational Therapy Convention in Boston, the Danvers State Hospital was represented by the reception service exhibit with the letter also reproduced in the Italian language as prepared by a member of the staff.

Physical Education:

There are four groups receiving physical education as treatment: male and female groups of deteriorated patients for which simple programs of exercise, drill, marching and games to music are planned and the other two groups of special activities for men and for women. The group of women during the summer enjoyed nature hikes. The other activities were tennis, shuffleboard, croquet, etc. During the colder seasons, ice skating, hiking and other games are substituted. The special class for men have more varied activities: hiking, tumbling, cageball, basketball, croquet, etc., according to the season. There are 32 patients as an average attendance for the group of deteriorated and untidy women, 55 in the special female group and an average of 22 in each of the male classes. The special groups consist of patients in the more acute condition of mental illness.

Employees' Recreation Room:

The Occupational Therapy Department equipped with temporary furnishings a room to be used as a recreational room for the employees and planned the schedule of the matron in charge.

Patients' Ironing Room:

A room is being reconditioned in the Rear Center for parole patients to do their washing and ironing. This has been long needed and is expected to be ready in the near future.

Summary:

Added features during 1936: Development of work habit classes on the back wards as industrial therapy; ward furnishings planned according to design and color; creation of a recreational room for the employees; recreational classes on the wards, parties on the admission wards and choir pageant at Christmas; preparation of the interview letter in Italian; publication of the poetry issue; concert given by the choir; and folk dancing class.

The total number of patients contacted is estimated to be over 700 monthly. These include only those participating as individuals in the following activities: reception service, adjustment and industrial occupational therapy classes, physical education, special library groups, bookbindery, choir and folk dancing classes. Intensive treatment with individual records is maintained with 200 patients.

Respectfully submitted,

POLLY K. FRANCIS, O.T. Reg.

Director of Occupational Therapy.

SOCIAL SERVICE REPORT

To the Superintendent of the Danvers State Hospital:

The following is the report of the Social Service Department for the year ending November 30, 1936:

A total of 1,654 cases were handled by the Social Service Department. Of these, 1,131 were new cases. Five hundred and sixty-one hospital histories were taken

at the hospital. Three hundred and fifty-nine histories of hospital patients were taken in the community. One hundred and seventy-eight Child Guidance histories and 46 Adult Mental Hygiene histories are included in the total number of histories. Two thousand fifteen visits were made in behalf of hospital and clinic patients. These visits were to patients, their families, relatives, interested friends, social agencies, doctors, lawyers, and others in the community interested in the patients' welfare.

As in the past few years, history work is monopolizing most of our time and efforts at the expense of supervision of patients on visit in the community, placement of patients in homes, and home investigation prior to the discharge of patients, where the real talent of Social Service should be utilized. Only 18 cases were referred to us for investigation of home conditions prior to discharge.

At least three additional trained social workers are needed to carry on the work of our Department adequately.

Miss Sara Karp, a former student in the department, was appointed to fill the vacancy caused by Miss Helen Riley's transfer to the Metropolitan State Hospital.

Miss Barbara Redden, a graduate of New Hampshire State University, and Miss Gertrude Allen, a graduate of Smith College, were students in our department during the academic year. Miss Redden substituted during the summer vacations of our regular workers.

In September, 1936, Miss Harriet Smith, a graduate of Smith College, came as a student of the Department of Mental Diseases training course.

Miss Anna Appel, who is a Master student at Simmons College School for Social Work, is doing her field work in connection with the school in our department.

May I take this opportunity to thank the Superintendent, the Assistant Superintendent, and others of the Staff for their cooperation and support.

Respectfully submitted,

MARY HENDERSON HOLLAND,
Head Social Worker.

REPORT OF THE CHILD GUIDANCE AND SCHOOL CLINICS *To the Superintendent of the Danvers State Hospital:*

It is my pleasure to submit the following report for the Danvers State Hospital Out-Patient Department in its work with children for the year ending November 30, 1936.

From year to year it is interesting to note the consistent increase in the number of cases referred to our Clinics. This year while the total number of cases referred is, as usual, slightly greater than the preceding year, it is gratifying to note a decrease in the number of cases referred for examination under Chapter 215, General Laws of 1931 for Juvenile Delinquents, with a corresponding increase in new Child Guidance and School Clinic referrals. We also had more problem children recommended for examination in the Traveling School Clinics than in the previous years as compared with those three or more years retarded.

Our regular Clinic personnel has remained the same as last year. Dr. Margaret D. Welch, of Salem, kindly stepped in and substituted for about ten weeks during part of the time when the writer was ill and on leave of absence. We are grateful to her for the comprehensive reports which she left in closing the Child Guidance Clinics at the beginning of the summer respite. Dr. Remillard at this time carried on all of her usual duties in the School Clinics and in addition did most of the work with the juvenile delinquents. We are grateful at this time to the other physicians on the hospital staff who made some of the Chapter 215 examinations when it was impossible for this department to cover the assignments completely. Dr. Remillard and Miss Georgie Brimigion, stenographer, carried particularly heavy schedules over a period of several months and are to be highly commended for their interest and efficiency. We congratulate Dr. Remillard in the completion of her National Board examinations during the year.

In the School Clinics, 670 examinations were conducted according to the Walter E. Fernald plan in a total of 23 towns.

In the district courts of Essex County and in the Chelsea District Court from October 1, 1935 to October 1, 1936, we examined 208 Juveniles with the following results:

Juvenile Delinquents
October 1, 1935 — October 1, 1936

AGE GROUPS	Total			Normal			Sub-Normal			Feeble-minded			Psychotic			Psychosis with Feeble-mindedness		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 12 .	41	2	43	12	1	13	28	1	29	1	-	1	-	-	-	-	-	-
12-15 .	81	3	84	30	-	30	42	3	45	9	-	9	-	-	-	-	-	-
15-18 .	71	10	81	15	-	15	40	7	47	14	2	16	2	1	3	-	-	-
Totals .	193	15	208	57	1	58	110	11	121	24	2	26	2	1	3	-	-	-

This compares most favorably with the total of 265 Juveniles we examined the preceding year.

Our Child Guidance Clinics are held in the same seven cities and in the same locations as last year. A total of 215 new cases were studied in these clinics and 101 cases were carried over from the previous year for further study. Included in this figure Miss Agnes Reardon, speech teacher, carried a total of 36 cases in the Salem and Lynn Clinics.

The following list shows the actual number of new cases in each Clinic. Lawrence and Newburyport Clinics are each held but twice a month, the other clinics being conducted weekly:

Lynn Child Guidance Clinic	61
Haverhill Child Guidance Clinic	20
Beverly Habit Clinic	41
Lawrence Mental Hygiene Clinic	16
Newburyport Child Guidance Clinic	12
Salem Child Guidance Clinic	40
Melrose Child Guidance Clinic	25

Total new cases 215

As in previous years student nurses, including affiliates, clinical assistants from Tufts Medical School and the Occupational Therapy students, attended our clinics to observe methods. A number of addresses were given to Parent-Teacher groups, Mothers' Clubs and similar societies during the year.

Respectfully submitted,
DORIS M. SIDWELL, M.D.

PSYCHOLOGICAL REPORT

To the Superintendent of the Danvers State Hospital:

It is my privilege to offer the annual report of the Department of Psychology for the year ending November 30, 1936.

The assistants with us at the opening of this fiscal year were Alice Schoenfuss, Faith Kellogg and Jane Sullivan. In the course of the year all three of these young women resigned and their places were taken by Rosemary Mehan, Margaret L. Kelly and E. Barbara Redden. (Owing to the increase of the extra-mural work of this department, we are now in need of an additional assistant).

The number of psychometric examinations administered during the year is 1,591, distributed as follows:

Hospital patients, tested soon after admission	527
Children of the various Child Guidance Clinics	198
Adolescent patients of the Adult Clinic	4
Juveniles examined in court under Section 215	191
School Clinic cases, in various public schools	636
Unclassified psychometric examinations	35

Total examinations individually administered 1,591

Our cooperation with other institutions of this vicinity has been continued. In June we furnished material for individual study of the children cared for through the summer at the Essex County Health Camp; and in September we gave a group examination to 114 students of Essex County Agricultural School.

A ten-hour lecture course in psychology and psychometrics has been given every three months in the Nurses' Training School for the resident and visiting nurses; and an informal four-hour course in psychometrics has been presented each month for the medical internes.

Two papers came to publication during the year, one of them a study which had been in progress for more than six years. Also, two minor contributions concerning the work of the department were mimeographed for private circulation.

Respectfully submitted,

GRACE H. KENT. Ph.D.

VALUATION

November 30, 1936

REAL ESTATE

Land, 517.68 acres	\$101,317.00
Buildings and betterments	2,952,376.47

\$3,053,693.47

PERSONAL PROPERTY

Travel, transportation and office expenses	4,484.80
Food	14,547.53
Clothing and materials	17,663.16
Furnishings and household supplies	148,693.36
Medical and general care	14,952.60
Heat and other plant operation	8,451.61
Farm	64,861.43
Garage and grounds	7,522.02
Repairs	23,763.29

\$304,939.80

SUMMARY

Real estate	\$3,053,693.47
Personal property	304,939.80

\$3,358,633.27

FINANCIAL STATEMENT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the year ending November 30, 1936.

STATEMENT OF EARNINGS

Board of Patients	\$103,992.86
Personal Services	223.00

Sales:

Travel, transportation and office expenses	\$3.00
Food	608.94
Clothing and materials	199.25
Furnishings and household supplies	149.17
Medical and general care	94.78
Heat and other plant operations	122.30
Garage and grounds	21.76
Repairs ordinary	872.32
Farm (itemize) livestock \$342.55, hides \$119.02, bags and bbls. \$293.12, wood \$92.00, Sundries \$10.40	857.09

Total Sales \$2,928.61

Miscellaneous:

Interest on bank balances	\$56.66
Rents	822.50
Total Miscellaneous	879.16

Total earnings for the year \$108,023.63

Total cash receipts reverting and transferred to the State Treasurer \$108,045.61

Accounts receivable outstanding December 1, 1935 \$122.96

Accounts receivable outstanding November 30, 1936 100.98

Accounts receivable decreased 21.98

MAINTENANCE APPROPRIATION

Balance from previous year, brought forward \$8,062.38

Appropriation, current year 847,125.00

\$855,187.38

Total Expenditures as follows:

Personal services	\$454,476.58
Food	117,727.57
Medical and general care	15,024.00
Religious instruction	2,081.33
Farm	28,528.53
Heat and other plant operation	94,435.68

Travel, transportation and office expenses	7,803.26
Garage and grounds, garage \$5,140.65; grounds, \$1,137.52	6,278.17
Clothing and materials	27,991.85
Furnishings and household supplies	36,883.81
Repairs ordinary	17,508.52
Repairs and renewals	11,465.01
Total maintenance expenditures	\$820,204.31
Balance of maintenance appropriation, November 30, 1936	34,983.07
	\$855,187.38
SPECIAL APPROPRIATIONS	
Balance December 1, 1935, brought forward	\$232,818.15
Appropriations for current year	14,200.00
Total	\$218,618.15
Expended during the year (see statement below)	\$161,430.05
Reverting to Treasury of Commonwealth	14.88
	\$161,444.93
Balance November 30, 1936, carried to next year	\$57,173.22

APPROPRIATION	Act or Resolve	Total Amount Appropriated	Expended during fiscal year	Total Expended to date	Balance at end of year
Canning Equipment	249-1935	\$2,400.00	\$201.28	\$2,396.04	\$3.96*
Flat Iron Worker	249-1935	8,850.00	77.61	8,847.33	2.67*
Installation power plant equipment	249-1935	3,000.00	-	-	3,000.00
Boiler room equipment and rep.	249-1935	19,500.00	5,996.79	19,500.00	-
Remodeling Grove Hall Bldg.	249-1935	6,000.00	3,097.07	5,991.75	8.25*
Floor covering	304-1936	4,300.00	2,490.47	2,490.47	1,809.53
Laundry equipment	304-1936	6,000.00	5,327.21	5,327.21	672.79
Mass. State Proj. M7, Docket 2641 Hydrotherapy Buildings		145,000.00	12,114.00	144,940.76	59.24
Mass. State Proj. M42, Docket 4666, Sprinklers, rewiring and fireproof stairs.		122,000.00	1,152.91	121,195.89	804.11
Mass. State Proj. M101, Docket 1134, Three boilers		152,000.00	108,157.29	108,265.19	43,734.81
Mass. State Proj. M112, Docket 1152, Fire Alarm		30,000.00	22,815.42	22,907.26	7,092.74
		\$499,050.00	\$161,430.05	\$441,861.90	\$57,188.10

PER CAPITA
During the year the average number of patients has been, 2,219.
Total cost of maintenance, \$820,204.31.
Equal to a weekly per capita cost of (52 weeks to year), \$7.10.
Total receipts for the year, \$108,045.61.
Equal to a weekly per capita of, \$93.
Total net cost of maintenance for year, \$712,158.70.
Net weekly per capita, \$6.17.

Respectfully submitted,
HULDA ARONSON,
Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY
THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Information

(Data correct at end of institution year November 30, 1936)
Date of opening as a hospital for mental diseases, May 13, 1878.
Type of hospital: State.
Hospital plant:
Value of hospital property:
Real estate, including buildings \$3,053,693.47
Personal property 304,939.80
Total \$3,358,633.27
Total acreage of hospital property owned, 517.68044.
Additional acreage rented, none.
Total acreage under cultivation during previous year, 364.5

Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	5	4	9	3	—	3
Total physicians	6	4	10	3	—	3
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	1	44	45	—	—	—
Other nurses and attendants	125	144	269	1	1	2
Occupational therapists	—	4	4	—	—	—
Social workers	—	4	4	—	—	—
All other officers and employees	103	71	174	1	3	4
Total officers and employees	238	271	509	5	4	9

Classification by Diagnosis September 30, 1936

Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane	1,065	1,203	2,268	165	151	316
Mental defectives	—	1	1	—	—	—
Alcoholics	2	1	3	—	—	—
All other cases	2	1	3	—	1	1
Total	1,069	1,206	2,275	165	152	317
OTHER RACES:						
Insane	10	12	22	5	2	7
Total	10	12	22	5	2	7
Grand Total	1,079	1,218	2,297	170	154	324

	M.	F.	T.
Patients under treatment in occupational-therapy classes, including physical training, on date of report	159	427	586
Other patients employed in general work of hospital on date of report	501	199	700
Average daily number of all patients actually in hospital during year	1,054	1,178	2,232
Voluntary patients admitted during year	3	2	5
Persons given advice or treatment in out-patient clinics during year	427	159	586

TABLE 2. *Movement of Patient Population for the Year Ended September 30, 1936*
(Data in all of the following tables are based on the Statistical Year, October 1, 1935 to September 30, 1936)

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY CARE			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1935	1,219	1,340	2,559	1,211	1,334	2,545	4	4	8	2	2	4	2	—	2
Admissions during year:															
First admissions	400	311	711	265	257	522	45	22	67	87	30	117	3	2	5
Readmissions	114	100	214	68	73	141	13	17	30	33	10	43	—	—	—
Total admissions	514	411	925	333	330	663	58	39	97	120	40	160	3	2	5
Transfers from other mental hospitals	10	18	28	10	18	28	—	—	—	—	—	—	—	—	—
Total received during year	524	429	953	343	348	691	58	39	97	120	40	160	3	2	5
Total on books during year	1,743	1,769	3,512	1,554	1,682	3,236	62	43	105	122	42	164	5	2	7
Discharged from books during year:															
As recovered	56	8	64	5	3	8	14	3	17	37	2	39	—	—	—
As improved	159	167	326	141	145	286	8	14	22	10	8	18	—	—	—
As unimproved	13	12	25	4	5	9	2	1	3	7	6	13	—	—	—
As without psychosis	76	36	112	1	1	2	25	17	42	47	18	65	3	—	3
Total discharged to community	304	223	527	151	154	305	49	35	84	101	34	135	3	—	3
Transferred to other mental hospitals	42	58	100	42	58	100	—	—	—	—	—	—	—	—	—
Died during year	148	116	264	125	104	229	5	4	9	18	8	26	—	—	—
Total discharged, transferred and died during year	494	397	891	318	316	634	54	39	93	119	42	161	3	—	3
Patients remaining on books of hospital at end of year:															
In hospital	1,079	1,218	2,297	1,066	1,212	2,278	8	4	12	3	—	3	2	2	4
On parole or otherwise absent	170	154	324	170	154	324	—	—	—	—	—	—	—	—	—
Total	1,249	1,372	2,621	1,236	1,366	2,602	8	4	12	3	—	3	2	2	4

SUPPLEMENTARY DATA

Average daily number of patients on books during year	M.	F.	T.
Actually in institution during year	1,251	1,358	2,609
In family care	1,054	1,178	2,232
On visit	—	10	64
On escape	170	167	337
Number of patients actually remaining in institution September 30, 1936:	9	1	11
State	972	1,007	1,979
Reimbursing	107	211	318
Ex-service patients paid by Federal Government	3	—	3
Number of patients in family care September 30, 1936:			
State	—	7	7
Self-supporting	—	1	1
Private	—	2	2
Number of non-insane patients in hospital at end of institution year:			
Mentally defective	—	1	1
Others	4	2	6

TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States ¹	179	187	366	94	95	78	88	88	77
Austria	1	1	2	3	2	2	1	2	1
Belgium	—	—	—	1	—	—	—	—	—
Canada ²	24	23	47	45	46	34	41	42	34
Denmark	1	—	1	1	1	1	—	—	—
England	6	7	13	10	8	6	11	10	8
Finland	2	—	2	3	4	3	—	1	—
France	—	—	—	—	1	—	—	—	—
Germany	1	2	3	4	3	2	3	4	3
Greece	—	2	2	—	—	—	4	4	4
India	—	1	1	—	—	—	—	—	—
Ireland	11	8	19	32	37	29	37	40	34
Italy	15	10	25	23	21	21	17	17	17
Poland	3	3	6	5	5	5	4	3	3
Portugal	—	—	—	3	3	3	—	—	—
Russia	13	5	18	17	17	16	14	13	13
Scotland	1	3	4	4	5	2	6	4	2
Sweden	1	3	4	3	2	2	7	7	6
Switzerland	—	1	1	—	—	—	1	1	1
Turkey in Europe	—	1	1	—	—	—	1	1	1
West Indies ³	1	—	1	—	—	—	—	—	—
Other Countries	6	—	6	8	7	7	5	4	4
Unknown	—	—	—	9	8	6	17	16	14
Total	265	257	522	265	265	217	257	257	222

¹Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.²Includes Newfoundland.³Except Cuba, Porto Rico and Virgin Islands.

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	179	187	366
Citizens by naturalization	34	25	59
Aliens	31	19	50
Citizenship unknown	21	26	47
Total	265	257	522

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			With syphilitic meningo-encephalitis			With other forms of syphilis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (blk.)	1	4	5	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
English	54	60	114	2	-	2	1	-	1	-	1	1	-	-	-	3	-	3
Finnish	3	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
French	13	16	29	3	2	5	-	-	-	-	-	-	-	-	-	3	-	3
German	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	8	13	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	45	44	89	1	-	1	-	-	-	-	1	1	-	-	-	13	1	14
Italian ¹	21	17	38	5	2	7	-	-	-	1	-	1	-	-	-	1	-	1
Lithuanian	7	3	10	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Portuguese	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	3	6	9	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Scotch	5	5	10	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	12	4	16	1	-	1	-	-	-	-	-	-	-	-	-	2	-	2
Syrian	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	83	69	152	8	3	11	2	-	2	-	-	-	-	1	1	10	2	12
Race unknown	5	6	11	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	265	257	522	22	7	29	4	1	5	1	2	3	-	2	2	33	4	37

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Due to drugs, etc.			Traumatic psychoses			With cerebral arterio-sclerosis			With convulsive disorders (epilepsy)			Senile psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	1	1	-	-	-	26	19	45	2	-	2	5	11	16
Finnish	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
French	-	-	-	-	-	-	1	2	3	-	1	1	-	1	1
German	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Irish	-	-	-	-	1	1	12	11	23	1	2	3	2	7	9
Italian ¹	-	-	-	-	-	-	4	2	6	-	1	1	2	-	2
Lithuanian	-	-	-	-	-	-	3	-	3	-	-	-	-	1	1
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	1	-	1	-	-	-	-	2	2
Scotch	-	-	-	-	-	-	-	2	2	-	-	-	1	-	1
Slavonic ³	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	-	-	-	18	9	27	1	3	4	3	8	11
Race unknown	-	-	-	-	-	-	2	1	3	-	-	-	-	3	3
Total	-	1	1	1	1	2	70	47	117	4	7	11	13	34	47

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses* — Continued

RACE	Involuntional psychoses			Due to other metabolic diseases, etc.			With organic changes of nervous system			Psycho-neuroses			Manic-depressive psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	1	5	6	1	2	3	1	2	3	1	5	6	2	3	5
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	1	—	1	—	—	—	—	—	—	—	2	2	1	—	1
German	—	1	1	—	—	—	1	—	1	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Hebrew	—	—	—	—	1	1	—	—	—	2	2	4	1	3	4
Irish	1	2	3	—	—	—	—	—	—	1	5	6	—	2	2
Italian ¹	—	2	2	1	—	1	—	—	—	—	2	2	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Scotch	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ²	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	5	5	—	—	—	2	1	3	—	4	4	3	8	11
Race unknown	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Total	4	15	19	2	3	5	5	3	8	4	20	24	9	17	26

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses* — Concluded

RACE	Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency			Primary behavior disorders		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	1	—	1	—	1	1	—	1	1	—	—	—
English	8	7	15	—	2	2	1	—	1	—	2	2	—	—	—
Finnish	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
French	4	7	11	—	—	—	—	1	1	—	—	—	—	—	—
German	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Greek	—	3	3	—	1	1	—	—	—	—	—	—	—	—	—
Hebrew	4	6	10	—	1	1	—	—	—	—	—	—	—	—	—
Irish	13	9	22	—	1	1	—	—	—	1	2	3	—	—	—
Italian ¹	7	6	13	—	—	—	—	—	—	—	2	2	—	—	—
Lithuanian	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ³	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	2	2	4	—	1	1	—	—	—	—	—	—	—	—	—
Slavonic ³	7	3	10	—	—	—	—	—	—	—	1	1	—	—	—
Syrian	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	29	22	51	1	—	1	1	1	2	5	1	6	—	1	1
Race unknown	1	1	2	—	—	—	—	1	1	—	—	—	—	—	—
Total	81	73	154	4	6	10	2	4	6	6	9	15	—	1	1

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	22	7	29	-	-	-	-	1	1	1	-	1	1	-	1
With other forms of syphilis	4	1	5	-	-	-	-	-	-	1	1	1	-	-	-
With epidemic encephalitis	1	2	3	-	1	1	1	1	2	-	-	-	-	-	-
With other infectious diseases	-	2	2	-	-	-	-	1	1	-	-	-	-	-	-
Alcoholic psychoses	33	4	37	-	-	-	-	-	-	1	-	1	1	-	1
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	70	47	117	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	4	7	11	-	-	-	1	1	2	1	-	1	-	-	-
Senile psychoses	13	34	47	-	-	-	-	-	-	-	-	-	-	-	-
Involuntal psychoses	4	15	19	-	-	-	-	-	-	-	-	-	-	15	-
Due to other metabolic diseases, etc.	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	5	3	8	-	1	1	-	-	-	-	-	-	-	-	-
Psychoneuroses	4	20	24	-	-	-	1	-	1	-	-	-	-	2	2
Manic-depressive psychoses	9	17	26	-	-	-	-	1	1	1	1	2	-	1	1
Dementia praecox	81	73	154	1	1	2	10	4	14	21	16	37	16	12	28
Paranoia and paranoid conditions	4	6	10	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	2	4	6	-	-	-	-	2	2	-	-	-	-	-	-
With mental deficiency	6	9	15	1	-	1	1	3	4	1	1	2	1	-	1
Primary behavior disorders	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	265	257	522	2	3	5	14	14	28	26	19	45	19	15	34

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	3	3	6	6	-	6	2	2	4	2	1	3	4	-	4
With other forms of syphilis	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1	-	-	-
With epidemic encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	1	-	1	1	2	3	7	-	7	4	1	5	6	-	6	3	-	3
Due to drugs, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	1	-	1	1	3	4	9	3	12
With convulsive disorders (epil.)	1	2	3	-	1	1	-	1	1	-	-	-	-	1	1	-	1	1
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntal psychoses	-	-	-	-	-	-	-	-	-	1	4	5	3	6	9	-	5	5
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	1	2
With organic changes of nervous system	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2	1	3
Psychoneuroses	1	2	3	-	5	5	-	3	3	-	2	2	1	1	2	-	2	2
Manic-depressive psychoses	1	3	4	1	3	4	1	2	3	1	3	4	4	2	6	-	-	-
Dementia praecox	9	7	16	9	7	16	7	7	14	5	8	13	1	6	7	2	2	4
Paranoia and paranoid conditions	-	-	-	-	1	1	2	1	3	2	1	3	-	-	-	-	-	-
With psychopathic personality	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	1	1	2	2	4	-	1	1	-	-	-	-	-	-	1	1	1
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	13	16	29	17	25	42	24	15	39	17	21	38	20	22	42	21	16	37

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic men- ingo-encephalitis . .	1	-	1	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
With epidemic enceph- alitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses . .	6	-	6	2	1	3	1	-	1	-	-	-	-	-	-	-	-	-
Due to drugs, etc. . .	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses . .	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arterio- sclerosis	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive dis- orders (epilepsy) . . .	2	4	16	17	9	26	12	10	22	10	11	21	4	5	9	4	2	6
Senile psychoses . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Involuntary psychoses .	1	-	1	3	4	7	2	9	11	2	7	9	4	9	13	1	5	6
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psy- choses	1	2	3	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox . . .	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and paranoid conditions	-	1	1	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic per- sonality	-	2	2	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
With mental deficiency .	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Primary behavior dis- orders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	25	10	35	25	21	46	16	20	36	13	19	32	8	14	22	5	7	12

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	TOTAL			Illiterate			Reads Only			Reads and Writes			Common School			High School			College			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	22	7	29	2	1	3	-	-	-	4	-	4	8	6	14	5	-	-	1	-	-	2	-	-
With other forms of syphilis	4	1	5	-	-	-	1	1	-	1	1	1	1	1	2	1	1	1	-	-	-	-	-	-
With epidemic encephalitis	1	2	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	33	4	37	1	1	2	-	-	-	2	-	2	20	1	21	4	2	6	2	1	1	4	-	4
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	1	1	2	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	70	47	117	6	4	10	1	1	2	14	6	20	41	16	57	4	10	14	2	1	3	2	9	11
With convulsive disorders (epilepsy)	4	7	11	-	-	-	-	-	-	1	1	2	2	5	7	1	1	2	-	-	-	-	-	-
Senile psychoses	13	34	47	3	2	5	-	-	-	1	3	4	5	23	28	2	4	6	2	-	2	-	2	2
Involuntal psychoses	4	15	19	-	2	2	-	-	-	2	1	3	2	7	9	-	-	3	-	2	2	-	-	-
Due to other metabolic diseases, etc.	5	3	8	1	-	1	-	-	-	-	1	1	1	2	3	-	-	3	-	-	-	-	-	-
With organic changes of nervous system	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	4	20	24	-	1	1	-	-	-	1	1	2	1	13	14	1	4	5	1	1	1	-	-	-
Manic-depressive psychoses	9	17	26	1	1	1	-	-	-	1	1	2	4	5	9	3	11	14	1	1	2	-	-	-
Dementia praecox	81	73	154	1	1	2	-	-	-	7	3	10	40	46	86	26	22	48	2	1	3	5	-	5
Paranoia and paranoid conditions	4	6	10	-	-	-	-	-	-	1	1	2	1	5	6	-	-	-	1	-	1	1	1	1
With psychopathic personality	2	4	6	-	-	-	-	-	-	-	-	-	2	2	4	-	-	-	-	-	-	-	-	-
With mental deficiency	6	9	15	3	2	5	-	-	-	-	-	2	3	5	8	-	-	-	-	-	-	-	-	-
Primary behavior disorders	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Total	265	257	522	19	14	33	2	1	3	36	21	57	132	141	273	51	60	111	11	8	19	14	12	26

TABLE 9. *Environment of First Admissions Classified with Reference to Principal Psychoses*

[illegible]

TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Dependent			Marginal			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	22	7	29	3	—	3	19	7	26	—	—	—
With other forms of syphilis	4	1	5	1	—	1	3	1	4	—	—	—
With epidemic encephalitis	1	2	3	1	2	3	—	—	—	—	—	—
With other infectious diseases	—	2	2	—	—	—	—	2	2	—	—	—
Alcoholic psychoses	33	4	37	9	1	10	24	3	27	—	—	—
Due to drugs, etc.	—	1	1	—	—	—	—	1	1	—	—	—
Traumatic psychoses	1	1	2	—	—	—	—	1	2	—	—	—
With cerebral arteriosclerosis	70	47	117	27	31	58	43	15	58	—	1	1
With convulsive disorders (epilepsy)	4	7	11	2	5	7	2	2	4	—	—	—
Senile psychoses	13	34	47	9	21	30	4	13	17	—	—	—
Involuntional psychoses	4	15	19	—	2	2	4	13	17	—	—	—
Due to other metabolic diseases, etc.	2	3	5	—	1	1	2	2	4	—	—	—
With organic changes of nervous system	5	3	8	1	1	2	4	2	6	—	—	—
Psychoneuroses	4	20	24	1	5	6	3	15	18	—	—	—
Manic-depressive psychoses	9	17	26	1	1	2	8	16	24	—	—	—
Dementia praecox	81	73	154	33	19	52	45	54	99	3	—	3
Paranoia and paranoid conditions	4	6	10	—	1	1	4	5	9	—	—	—
With psychopathic personality	2	4	6	1	4	5	1	—	1	—	—	—
With mental deficiency	6	9	15	5	6	11	1	3	4	—	—	—
Primary behavior disorders	—	1	1	—	1	1	—	—	—	—	—	—
Total	265	257	522	94	101	195	168	155	323	3	1	4

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	22	7	29	3	3	6	11	2	13	8	2	10	—	—	—
With other forms of syphilis	4	1	5	1	1	2	—	—	—	3	—	3	—	—	—
With epidemic encephalitis	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
With other infectious diseases	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—
Alcoholic psychoses	33	4	37	—	—	—	—	—	—	33	4	37	—	—	—
Due to drugs, etc.	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Traumatic psychoses	1	1	2	—	1	1	1	—	1	—	—	—	—	—	—
With cerebral arteriosclerosis	70	47	117	29	42	71	25	2	27	14	2	16	2	1	3
With convulsive disorders (epilepsy)	4	7	11	3	6	9	1	1	2	—	—	—	—	—	—
Senile psychoses	13	34	47	6	30	36	3	2	5	4	1	5	—	1	1
Involuntional psychoses	4	15	19	—	12	12	3	3	6	1	—	1	—	—	—
Due to other metabolic diseases, etc.	2	3	5	2	3	5	—	—	—	—	—	—	—	—	—
With organic changes of nervous system	5	3	8	2	2	4	3	1	4	—	—	—	—	—	—
Psychoneuroses	4	20	24	2	12	14	2	5	7	—	2	2	—	1	1
Manic-depressive psychoses	9	17	26	7	16	23	—	1	1	2	—	2	—	—	—
Dementia praecox	81	73	154	40	57	97	27	11	38	12	3	15	2	2	4
Paranoia and paranoid conditions	4	6	10	2	6	8	—	—	—	2	—	2	—	—	—
With psychopathic personality	2	4	6	2	3	5	—	1	1	—	—	—	—	—	—
With mental deficiency	6	9	15	5	9	14	1	—	1	—	—	—	—	—	—
Primary behavior disorders	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Total	265	257	522	105	209	314	77	29	106	79	14	93	4	5	9

TABLE 12. Marital Condition of First Admissions Classified with Reference to Principal Psychoses

	TOTAL			Single		Married		Widowed		Divorced		Separated		Unknown	
	M.	F.	T.	M.	F., T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.
PSYCHOSES															
With syphilitic meningo-encephalitis	22	7	29	3	1 4	15	6 21	-	-	2	-	2	-	-	-
With other forms of syphilis	4	1	5	1	2	2	2	1	1	-	-	-	-	-	-
With epidemic encephalitis	1	2	3	1	3	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	2	2	-	2	-	2	-	-	-	-	-	-	-	-
Alcoholic psychoses	33	4	37	10	- 10	14	3 17	7	1 8	1	-	1	-	-	-
Due to drugs, etc.	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-
Traumatic psychoses	1	1	2	-	-	-	-	-	2	-	-	-	-	-	-
With cerebral arteriosclerosis	70	47	117	6	4 10	41	14 55	21	28 49	2	1 3	-	-	-	-
With convulsive disorders (epilepsy)	4	7	11	3	4 7	1	2 3	-	-	-	-	1	1	-	-
Senile psychoses	13	34	47	3	9 12	5	5 10	5	18 23	2	2 2	-	-	-	-
Involuntional psychoses	-	15	19	-	6	3	8 11	-	-	1	-	1	-	-	-
Due to other metabolic diseases, etc.	-	2	3	-	2	2	3 5	-	-	-	-	-	-	-	-
With organic changes of nervous system	5	3	8	-	2	2	3 5	-	-	-	-	-	-	-	-
Psychoneuroses	20	24	44	2	3 5	2	12 14	-	-	-	-	-	-	-	-
Manic-depressive psychoses	9	17	26	2	6 8	5	11 16	1	-	1	-	-	-	-	-
Dementia praecox	81	73	154	66	36 102	14	27 41	-	4 4	-	4 4	-	1 1	1	2
Paranoia and paranoid conditions	4	6	10	1	-	3	5 8	-	1 1	-	-	-	-	-	-
With psychopathic personality	2	4	6	-	3	2	1 3	-	-	-	-	-	-	-	-
With mental deficiency	6	9	15	6	9 15	-	-	-	-	-	-	-	-	-	-
Primary behavior disorders	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-
Total	265	257	522	104	86 190	115	101 216	35	56 91	7	9 16	3	4 7	1	1 2

[illegible]

TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	TOTAL			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	3	1	4	—	—	—	3	1	4	—	—	—
With other forms of syphilis	1	—	1	—	—	—	1	—	1	—	—	—
With epidemic encephalitis	2	—	2	—	—	—	2	—	2	—	—	—
With other infectious diseases	2	1	3	—	—	—	2	1	3	—	—	—
Alcoholic psychoses	26	5	31	1	1	2	25	4	29	—	—	—
Due to drugs, etc.	—	1	1	—	—	—	—	1	1	—	—	—
Traumatic psychoses	6	1	7	1	—	1	5	1	6	—	—	—
With cerebral arteriosclerosis	12	9	21	1	—	1	11	9	20	—	—	—
With other disturbances of circulation	—	2	2	—	—	—	—	2	2	—	—	—
With convulsive disorders (epilepsy)	1	3	4	—	—	—	1	3	4	—	—	—
Senile psychoses	1	1	2	—	—	—	1	1	2	—	—	—
Involutional psychoses	1	12	13	—	—	—	1	11	12	—	1	1
Due to other metabolic diseases, etc.	—	4	4	—	—	—	—	4	4	—	—	—
With organic changes of nervous system	1	1	2	—	—	—	1	1	2	—	—	—
Psychoneuroses	2	7	9	—	—	—	2	7	9	—	—	—
Manic-depressive psychoses	19	28	47	1	—	1	17	27	44	1	1	2
Dementia praecox	61	62	123	—	2	2	58	57	115	3	3	6
Paranoia and paranoid conditions	3	3	6	—	—	—	3	3	6	—	—	—
With psychopathic personality	2	2	4	—	—	—	2	2	4	—	—	—
With mental deficiency	7	10	17	1	—	1	6	10	16	—	—	—
Without psychoses	1	1	2	—	—	—	—	—	—	—	—	—
Total	151	154	305	5	3	8	141	145	286	4	5	9

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharged during 1936*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	3	1	4	.58	1.50	.81
With epidemic encephalitis	2	—	2	1.56	—	1.56
With other infectious diseases	2	1	3	.77	.12	.55
Alcoholic psychoses	22	5	27	.84	.46	.77
Due to drugs, etc.	—	1	1	—	.20	.20
Traumatic psychoses	5	1	6	1.03	.12	.88
With cerebral arteriosclerosis	12	7	19	.89	.24	.65
With other disturbances of circulation	—	2	2	—	.28	.28
With convulsive disorders (epilepsy)	1	3	4	.71	.34	.43
Senile psychoses	—	1	1	—	1.50	1.50
Involutional psychoses	1	8	9	.71	.92	.90
Due to other metabolic diseases, etc.	—	4	4	—	.52	.52
With organic changes of nervous system	1	—	1	4.50	—	4.50
Psychoneuroses	—	6	6	—	2.03	2.03
Manic-depressive psychoses	7	12	19	1.84	1.80	1.82
Dementia praecox	41	50	91	1.56	1.32	1.43
Paranoia and paranoid conditions	2	3	5	.98	.51	.70
With psychopathic personality	2	2	4	4.00	.16	2.08
With mental deficiency	5	8	13	1.48	1.63	1.57
Without psychoses	—	1	1	—	.04	.04
Total	106	116	222	1.33	1.15	1.23

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	TOTAL			With syphilitic meningo-encephalitis		With other forms of syphilis		With other infectious diseases		Alcoholic psychoses		With cerebral arteriosclerosis		With convulsive disorders (epilepsy)		Senile psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>																		
Erysipelas.	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Tuberculosis of the respiratory system	6	6	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Purulent infection, septicaemia (non-puerperal)	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Cancer and Other Tumors:</i>																		
Cancer and other malignant tumors	3	2	5	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i>																		
Pellagra	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Blood and Blood-Making Organs:</i>																		
Pernicious anemia	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
<i>Diseases of the Nervous System and Organs of Special Sense:</i>																		
Cerebral hemorrhage	3	2	5	—	—	—	—	—	—	1	—	—	2	2	—	—	—	—
Cerebral embolism and thrombosis	—	1	1	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
General paralysis of the insane	9	3	12	7	2	9	2	1	3	—	—	—	—	—	—	—	—	—
Epilepsy	1	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—
Diseases of the organs of special sense (eye, ear and mastoid)	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Circulatory System:</i>																		
Diseases of the myocardium	62	33	95	1	1	2	1	—	1	—	—	37	13	50	—	11	10	21
Other diseases of the heart	3	3	6	—	—	—	—	—	—	—	—	2	2	4	—	—	—	—
Arteriosclerosis	6	7	13	—	—	—	—	—	—	—	—	3	3	6	—	1	3	4
Gangrene	—	1	1	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
Other diseases	3	—	3	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
<i>Diseases of the Respiratory System:</i>																		
Bronchopneumonia (including capillary bronchitis)	11	20	31	1	—	1	—	—	1	1	—	5	12	17	—	3	4	7
Lobar pneumonia	5	3	8	—	—	—	—	—	—	—	—	2	1	3	2	—	2	—
Pleurisy	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases (tuberculosis excepted)	—	1	1	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
<i>Diseases of the Digestive System:</i>																		
Diarrhea and enteritis	1	3	4	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—
Hernia, intestinal obstruction	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cirrhosis of the liver	1	3	4	—	—	—	—	—	—	—	—	—	1	—	—	—	1	1
<i>Diseases of the Genito-Urinary System:</i>																		
Nephritis (acute, chronic and unspecified)	—	2	3	—	—	—	—	—	—	—	—	—	1	1	2	—	—	—
Diseases of the prostate	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Skin and Cellular Tissue:</i>																		
Violent and Accidental Deaths:	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Conflagration and accidental burns	7	4	11	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
<i>Ill-Defined Causes of Death:</i>																		
Total	125	104	229	10	3	13	3	1	4	—	1	1	55	39	94	3	—	3

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

CAUSES OF DEATH	Involutional psychoses		Due to other metabolic diseases, etc.		Due to new growth		With organic changes of nervous system		Psychoneuroses		Manic-depressive psychoses		Dementia praecox		With psychopathic personality		With mental deficiency	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>																		
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purulent infection, septicaemia (non-puerperal)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>																		
Cancer and other malignant tumors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases</i>																		
Pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Blood and Blood-Making Organs:</i>																		
Pernicious anemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>																		
Cerebral hemorrhage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral embolism and thrombosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General paralysis of the insane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epilepsy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of the organs of special sense (eye, ear and mastoid)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System:</i>																		
Diseases of the myocardium	1	1	2	1	-	-	2	-	2	1	1	4	2	3	5	-	2	2
Other diseases of the heart	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerosis	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-
Gangrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System:</i>																		
Bronchopneumonia (including capillary bronchitis)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pleurisy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases (tuberculosis excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System:</i>																		
Diarrhea and enteritis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hernia, intestinal obstruction	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of the liver	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Genito-Urinary System:</i>																		
Nephritis (acute, chronic and unspecified)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of the prostate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and Cellular Tissue:</i>																		
Violent and Accidental Deaths:																		
Conflagration and accidental burns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill-Defined Causes of Death:	1	3	4	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	3	4	2	2	4	-	1	1	6	9	6	15	15	19	34	4	5

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			15-19 years		20-24 years		25-29 years		30-34 years		35-39 years		40-44 years		45-49 years			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
With syphilitic meningo-encephalitis	10	3	13	-	1	1	-	-	-	-	-	-	-	-	3	-	1	1	2
With other forms of syphilis	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Alcoholic psychoses	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	55	39	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	3	-	3	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Senile psychoses	15	19	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involutional psychoses	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Due to other metabolic diseases, etc.	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	5	1	6	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Manic-depressive psychoses	9	6	15	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-
Dementia praecox	15	19	34	-	1	1	3	4	1	5	1	2	3	2	2	4	1	4	5
With psychopathic personality	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	4	5	9	-	-	-	-	-	-	-	-	-	1	2	3	-	-	-	-
Total	125	104	229	-	2	2	3	1	4	4	2	6	4	5	9	6	5	11	-

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	3	-	3	-	-	-	-	-	-	2	1	3	-	-	-	-	1	-	-	-	-	1	-	-
With other forms of syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	-	-	-	-	1	1	1	1	1	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	1	1	2	2	1	3	3	4	7	13	10	23	11	7	18	15	8	23	6	4	10	4	4	8
With convulsive disorders (epilepsy)	-	-	-	-	-	-	2	2	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	1	-	1	2	-	2	-	7	7	6	1	7	5	5	10	1	6	7
Involutional psychoses	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	1	1	1	1	1	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	-	-	-	1	1	1	1	1	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	-	-	-	1	1	2	1	3	2	2	4	-	-	-	-	1	2	1	-	1	-	-	-
Dementia praecox	1	1	2	1	1	1	2	1	1	1	1	2	1	1	2	1	1	2	1	-	-	1	1	1
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	5	10	4	7	11	14	8	22	24	16	40	14	16	30	23	10	33	13	9	22	6	11	17

TABLE 19. *Average Length of Hospital Residence during the Present Admission of All First Admissions in Residence on September 30, 1936*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	54	14	68	4.22	5.06	4.39
With other forms of syphilis	7	3	10	3.48	12.50	6.19
With epidemic encephalitis	7	8	15	6.49	3.48	4.89
With other infectious diseases	—	1	1	—	2.50	2.50
Alcoholic psychoses	73	15	88	6.36	9.15	6.84
Due to drugs, etc.	—	1	1	—	.45	.45
Traumatic psychoses	6	3	9	10.66	1.15	7.49
With cerebral arteriosclerosis	102	84	186	2.89	3.86	3.33
With other disturbances of circulation	—	3	3	—	9.16	9.16
With convulsive disorders (epilepsy)	12	17	29	5.48	4.30	4.79
Senile psychoses	19	50	69	3.22	3.53	3.44
Involutional psychoses	11	38	49	3.84	5.93	5.46
Due to other metabolic diseases, etc.	3	3	6	2.16	9.83	6.00
With organic changes of nervous system	12	10	22	5.24	6.48	5.80
Psychoneuroses	9	18	27	4.93	2.02	2.99
Manic-depressive psychoses	29	44	73	6.15	10.28	8.64
Dementia praecox	349	415	764	9.19	10.18	9.73
Paranoia and paranoid conditions	3	11	14	1.48	6.10	5.19
With psychopathic personality	6	5	11	6.15	7.27	6.66
With mental deficiency	59	82	141	10.86	8.81	9.67
Without psychoses	3	2	5	.45	.45	.45
Total	764	827	1,591	7.16	8.15	7.68

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmissions in Residence on September 30, 1936*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	13	5	18	6.64	7.29	6.82
With other forms of syphilis	1	2	3	7.50	7.50	7.50
With epidemic encephalitis	3	3	6	5.15	9.16	7.15
Alcoholic psychoses	27	4	31	9.75	6.73	9.36
Traumatic psychoses	1	—	1	1.50	—	1.50
With cerebral arteriosclerosis	8	17	25	1.84	5.89	4.60
With other disturbances of circulation	—	1	1	—	.45	.45
With convulsive disorders (epilepsy)	3	6	9	3.81	10.98	8.59
Senile psychoses	2	1	3	3.97	.45	2.80
Involutional psychoses	3	7	10	5.50	7.77	7.09
Due to other metabolic diseases, etc.	1	2	3	12.50	2.50	5.83
With organic changes of nervous system	3	3	6	9.83	5.48	7.65
Psychoneuroses	—	5	5	—	2.28	2.28
Manic-depressive psychoses	37	59	96	5.65	7.30	6.66
Dementia praecox	188	224	412	9.88	9.45	9.64
Paranoia and paranoid conditions	2	6	8	4.00	8.66	7.50
With psychopathic personality	2	—	2	12.50	—	12.50
With mental deficiency	20	45	65	11.04	10.64	10.77
Without psychoses	1	1	2	1.50	.45	.97
Total	315	391	706	8.84	8.79	8.81

TABLE 20. *Family Care*

	Males	Females	Total
Remaining in Family Care September 30, 1935	—	11	11
Admitted to Family Care during the Year	—	2	2
Whole Number of Cases within the Year	—	13	13
Discharged from Family Care within the Year	—	3	3
Remaining in Family Care September 30, 1936	—	10	10
Average Daily Number in Family Care during Year	—	10.66	10.66
Supported by State	—	7	7
Private	—	2	2
Self-supporting	—	1	1

60th

The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

Mass.
OF THE

DANVERS STATE HOSPITAL *(Garden)*

FOR THE

YEAR ENDING NOVEMBER 30,

1937

DEPARTMENT OF MENTAL DISEASES



PUBLICATION OF THIS DOCUMENT APPROVED BY THE COMMISSION ON ADMINISTRATION AND FINANCE
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DEPARTMENT OF MENTAL DISEASES
GARDNER STATE HOSPITAL
EAST GARDNER, MASS.

1938

DANVERS STATE HOSPITAL

(Post Office Address: Hathorne, Mass.)

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PHILIP R. DWYER, M.D., *Ophthalmologist*.
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HOWARD J. FLEMING, D.S.C., *Chiropodist*.

TRUSTEES' REPORT

To His Excellency, the Governor and the Honorable Council:

The Trustees of the Danvers State Hospital respectfully offer the following annual report, including the report received by us from the Superintendent and the reports received by him from the various departments.

The Board has continued to hold monthly meetings at the hospital for conference with the Superintendent concerning the development of the institution and the upkeep of the plant.

We again call attention to the needs of the institution, which have been requested in previous messages:

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1937
B

In the previous report a request was made for an enlargement of the institution to care for approximately 200 male patients and 200 female patients. These patients were described as infirm and in need of special care. At the time of this report it was felt that additions could be built on the main building of sufficient size to look after these patients. This need still exists, and on the day this report was prepared there were over 2,350 patients, which is a larger number by far than we have adequate provisions to look after. The need to segregate the elderly and infirm patients is great and it might be more economical to provide an infirmary building rather than to attempt to build additionally on the present ward sections. It is known that the policy of the department is to keep the institutions at or about 2,000 patients, believing that they can be well handled and that this population would not be unwieldy. We believe this to be a wise policy but in our large committing district we are of the opinion that we shall need more bed space than the 2,000 mentioned above, and that provisions will eventually have to be made for a larger population. We feel that plans should be developed and carried out whereby the elderly sick and infirm patients may be segregated and given care apart from the younger and more active ambulatory cases.

We again desire to call attention to the fact that our Chapel is too small to accommodate our patients and that it should be enlarged to three times its present capacity, and in the process of the enlargement of this Chapel it will of necessity do away with the so-called rear center section which is not fireproof and not a safe place to house employees.

A report of inspection made by the Department of Public Safety requested that certain employees living on the fourth floor be removed from this section and this recommendation was immediately carried out, but there remain still three floors where employees are quartered, numbering approximately 35 persons.

We again repeat at this time and call attention to the fact that both the front and rear sections of the administration building should have other means of egress than that which now exists. The ideal plan for the front center would be a fireproof staircase extending from the fourth floor and with an outside exit on the ground, at a cost of \$6,000. As to the rear center, plans have long been recommended to do away with the section and increase the size of the chapel with modern construction. Therefore, at this time it does seem feasible to recommend the type of staircase mentioned as desirable for the Administration Building, front section.

In the 1938 budget an amount of money to the extent of \$6,500 has been allowed to begin the process of re-roofing and it is our plan to do one building at a time.

We feel that the Danvers State Hospital has now reached a population so large that an acute reception building would be highly advisable. This building would provide facilities for the care of acute cases and we would expect that many cases given intensive treatment over a short time, separated from the more chronic cases, would have a better opportunity to get well. This feature would, of course, again be a splendid opportunity to relieve the present congestion. The cost of the building would be \$350,000, while the equipment would cost \$50,000.

We are greatly in need of room for our employees and would request the building of a home for married couples. This would also permit of room space for the employees now quartered in the section known as rear center, and which would be removed in the event of the enlargement of the chapel. The building would cost \$150,000 and the furnishings, \$15,500.

Additional living quarters are needed for the new employees made necessary by the 48-hour week law. It will be necessary to have additional space for approximately 117 employees. This could be cared for by building an addition to the Male Home, the Female Home, and the building used by employees at the Middleton Colony group. The cost would be approximately \$225,000.

We again make the request of fireproofing the entire first floor in the main building. This would be a splendid step forward in fireproofing the institution and would serve as a preventive measure in basement fires, and, coupled with the sprinkler system in the attic, would safeguard our patients in the event of fire. The cost would be \$153,000.

With the added number of new employees, the laundry should be enlarged and reconstructed in order to do more efficient work and to be in position to accept the

greater volume which it now has to meet. This could be done at a cost of \$64,000.

In connection with the laundry, one washer and one extractor have been replaced at a cost of \$4,100. We wish to repeat that the following old equipment should be replaced with modern equipment: 1 compressor; 5 clothes presses; 1 extractor; 2 washers; and 3 drying tumblers. The cost would be \$24,033.

In reference to rewiring at the Middleton Colony, a sum of money has been granted sufficient to do this work. The present wiring is obsolete and dangerous and should be corrected.

There were presented recommendations made by Mr. Harry Atkinson, Building Inspector from the Commission of Public Safety. This summary was listed in order and all such changes as were possible by the use of our own personnel have been carried out, but it has not been possible to make construction changes of a major nature. We still feel that these recommendations should be given consideration in view of additional proper fire protection.

1. The sprinkler systems in the attics of buildings B, C, D, E, F, G, H, and I, although approved in the report, are not adequate and are not up to present standards, both in spacing of heads and size of mains. The complete renewal of these systems, as requested in the last year's budget, is recommended.

2. The report states that standpipes should be re-located so as to be more accessible in buildings D, G, H, I and J. The standpipes in buildings A, B, and C are in the same relative locations as the ones mentioned in the report and should be re-located if the others are changed. If these standpipes are moved they should be located in a wall of the alcove mid-way of the ward. A flush hose cabinet should be provided. It is felt that the re-location of these pipes is of lesser importance than most of the other recommendations.

3. It is recommended that sprinklers be provided in all closets used for storage of clothing and other materials; also, the use of "Firetox" automatic tetrachloride extinguishers in the above-mentioned places. We asked for them in last year's budget but they were not granted, and we would repeat the request in this year's budget.

4. It is recommended that the open fire escapes from B and I sun porches be replaced with enclosed stairways, at least three feet, six inches wide, between hand rails. This would be desirable.

5. It is recommended that the section of D basement now used for paper storage be discontinued. This room is now equipped with water sprinklers and the ceiling is fireproofed.

6. It is recommended that the sprinkler system be extended in the mechanical building to include all space beneath the carpenter shop. This takes in the machine shop, plumber's shop and electrician's shop. This work should be done.

7. It is recommended that the basement in "Gray Gables", employees' home, be equipped with sprinklers, and the front stairs enclosed on each floor with fire-proof partitions and self-closing fire doors. These changes are very necessary for the safety of occupants of this building.

8. It is recommended that all hardware on the exit doors at the Male Home be changed to the type which requires operation of the knob only for exit purposes; make all doors to stairways self-closing; provide hand rails on stairs in old section.

There follows in this report a complete description of the departmental activities for the previous year and, briefly, one will gain by a study of the following pages the knowledge of the work that has been done in the institution during the last fiscal year. It will be noticed that the policy of the institution has been concentrated in providing the best methods of treatment for those patients within the institution and that also preventive work in the community has been actively carried out.

Again the Superintendent, through this message of the Board of Trustees, desires to thank all of the employees for their individual efforts in the care of a large number of new admissions and a total population of over 2,350 patients.

Respectfully submitted,

MR. S. HERBERT WILKINS, *Chairman*

DR. ARTHUR C. NASON

MR. JAMES F. INGRAHAM

MR. H. C. MCSTAY

MR. FRANCIS T. RUSSELL

MRS. ANNIE T. FLAGG

MISS MARY T. O'SULLIVAN

Trustees.

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Danvers State Hospital:

The sixtieth annual report of the Superintendent for the fiscal year ending November 30, 1937, is respectfully submitted:

The clinical reports and statistics relating to patients are for the period ending September 30, 1937.

MOVEMENT OF POPULATION

The hospital year opened on October 1, 1936, with 2,282 patients in the hospital, 314 on visit, 15 on escape and 10 in family care, making a total of 2,621.

The year ended on September 30, 1937, with 2,314 patients in the hospital, 333 on visit, 9 on escape and 9 in family care, making a total of 2,665.

The number of admissions during the year is: 494 male; 469 female; total 963, an increase of 13 over the preceding year.

There were 4 voluntary patients admitted during the past year: 34 patients were transferred from other institutions; 304 men and 271 women were admitted on temporary care papers and 83 men and 65 women were admitted on thirty-five day observation papers.

FIRST ADMISSIONS

There were 684 patients admitted to this or any hospital for the first time, which is an increase of 111 over the preceding year.

DAILY POPULATION

The total average population for the year ending September 30, 1937 was 2,256, an increase of 24 over last year. There were 3,584 patients treated during the year as compared with 3,450 in 1935.

Two hundred and seventy-seven patients died in the institution during the year, which is 15 more than the preceding year.

DISMISSALS

There were 919 patients discharged from the institution during the past year; 519 men and 400 women. Classified as to their condition on discharge, 67 recovered; 300 as improved; 420 as unimproved; and 110 as without psychosis. The figures for the preceding year were as follows: 61 recovered; 342 as improved; 370 as unimproved; and 116 as without psychosis.

On September 30, 1937, there were 351 patients on trial visit in care of friends or under hospital supervision as compared with 349 in 1936.

Since the organization of the hospital 35,937 patients have been admitted and 33,369 discharged.

MEDICAL ADMINISTRATION

During the year the following changes occurred in the personnel of the staff:

Appointments. Dr. Peter B. Hagopian was appointed assistant physician, February 18, 1937. Dr. Mona C. Mehan was appointed resident physician in psychiatry, July 19, 1937. Dr. Samuel H. Marder was appointed assistant physician, September 3, 1937. Dr. Abraham Gardner was appointed assistant physician, October 1, 1937. Dr. William Charles Inman was promoted from position of senior physician to director of clinical psychiatry, October 10, 1937. Dr. Melvin Goodman was promoted from position of assistant physician to senior physician, October 10, 1937. Dr. Salvador Jacobs was promoted from position of assistant physician to senior physician (pathologist), October 10, 1937.

Resignations. Dr. Lois E. Taylor resigned from the position of assistant physician July 14, 1937.

Clinical Assistants. From Tufts Medical College: Richard T. Mulvanity, John E. McCluskey, Charles V. Manganelli, James Raymond Hurley, Hyman B. Fisher, and from University of Minnesota, Myron H. Matz.

MEDICAL SERVICE

The medical service has continued to function efficiently throughout the past year under the direction of the assistant superintendent. There have been several changes in personnel due to the promotion of several of the staff members. We now have a full-time director of clinical psychiatry, who for the past two months

has taken over the supervision of the medical service. Daily ward rounds have been made by the physicians as in the past and a weekly night visit has been continued. Staff conferences have been held once daily at which the diagnosis, treatment, visits and discharges of patients have been duly considered.

The routine of making physical and x-ray examinations of nurses in training has been carried out and physical examinations of all new applicants for employment have also been made. These procedures have been very valuable to the health of our employees.

During the past year the pathological laboratory service has been reorganized so that we once again have a full-time pathologist who is directing the work of the laboratory. For the past five months we have been fortunate in having the services of a full-time resident physician who has been of great assistance to the regular staff members.

Several of the schools of nursing in Essex County have been given a course of lectures by various staff members at their respective schools. Only one school sent nurses to the institution for their didactic work and these nurses were given a full course of lectures at the hospital. Besides the lectures to our own training school students there were courses given to four classes of affiliating nurses, two classes of occupational therapy students and sixteen fourth year medical students from Tufts Medical School. The various staff members supplied as speakers for over a hundred various engagements at different clubs and organizations throughout the year.

During the first three weeks of July, Dr. Edgar C. Yerbury spent time at the Department of Mental Diseases in Boston assisting with the work in that department.

Dr. M. Gene Black continued her intensive study of tuberculosis problems up through November. There being no additional appropriation for this special type of work, it was planned to discontinue her services. This study will be carried on by our own staff members.

The members of the consulting board of physicians and surgeons have been very faithful during the past year and have continued to render very valuable assistance. To them I wish to express my very deep appreciation for their continued faithfulness and invaluable assistance.

The following report indicates the major work accomplished by the consulting board during the past year:

Appendectomies, 3; bone operations, 7; colostomies, 1; cystoscopies, 4; cystotomies, 3; excision of ganglion, 1; excision of perineal fistula, 1; excision of wen, 1; herniotomy, 3; incision and drainage, 24; laparotomies (exploratory), 5; mastoidectomies, 1; oophorectomies, 2; proctoscopies, 1; reductions (fractures), 6; resections (trans urethral prostate), 1; resections (nasal septum), 1; salpingectomies, 2; tonsillectomies, 6; transfusions, 3; urethrotomies (external), 1.

HYDROTHERAPY DEPARTMENT

The hydrotherapy buildings, which were opened last year with complete new equipment, have proved to be an important aid in the treatment of our patients. Additional personnel is needed so that they may be utilized to a greater extent. The separation of the patients from the main group during the time of treatment has increased the efficiency of the treatments to a great extent.

Dr. Rebekah Wright of the Department has closely supervised the work and has held several clinics here.

The number of treatments given during the past year is shown in the following table:

<i>Wet sheet packs:</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
Number of patients treated	306	522	828
Number of packs given	7,760	10,422	18,182
Number of hours of treatment	20,432	31,199.24	51,631.24
<i>Continuous baths:</i>			
Number of patients treated	139	69	208
Number of baths given	3,574	7,017	10,591
Number of hours of treatment	6,714	28,879.14	35,593.14

Tonic baths (all types):

Number of patients treated	187	291	478
Number of baths given	9,853	5,210	15,063

Colonic irrigations:

Number of patients treated	30	137	167
Number of irrigations given	53	708	761

PHYSIOTHERAPY DEPARTMENT

During the greater part of the year a trained therapist has divided her time between the physiotherapy and x-ray departments. In addition to giving the active treatments, the therapist has instructed the student nurses in massage. The results obtained from her treatments are of great aid in improving both the physical and mental conditions of our patients.

A total of 5,946 treatments were given during the year ending November 30, 1937. They were as follows: Infra red, 2,458; massage, 495; sine wave, 1,420; ultra violet, 243; diathermy, 975; exercises, 345.

PERSONAL HYGIENE DEPARTMENT

This department has continued to stress the treatment of the untidy and deteriorated patient, in some cases with marked response on the part of the patient. All patients on the female side are given treatment when time permits. The work is carried on by a full-time hygienist who has trained several patients to become her assistants. The work has reached its maximum with the present equipment, as is shown in the following report:

Hair cuts, 5,169; shampoos, 2,294; manicures, 2,263; waves, 1,999; massages, 1,674; scalp treatments, 2,066; making a total number of 15,465 treatments.

VENEREAL CLINIC

This clinic has functioned throughout the year. At present tryparsamide and malarial therapy are used exclusively, except in old cases, with satisfactory results. The clinic is not being used by the general public except a few cases of follow-up work by the staff. Monday morning is set aside by the male service and Wednesday morning for the female service. A weekly average of 40 men and 20 women have been treated regularly.

DENTAL SERVICE

A full-time resident dentist and dental hygienist have carried on the work of this department.

All new patients admitted to the hospital have been given a thorough oral examination and careful records have been made on dental charts, with recommendations, which have been carried out. Acute cases are taken care of at once, while other cases are indexed or charted and taken care of in their turn.

A new system is in working order, on all wards, in regard to the care and use of tooth brushes and teeth cleaning. A regular teeth-cleaning period has been instituted on each ward, each patient has a tooth brush with his or her name on it, and tooth powder, which is made in the hospital pharmacy, is distributed to all wards for the patients. All patients are instructed to clean their teeth daily and those that are unable to do so have it done for them by the nurses in charge. The dentist and dental hygienist visit all wards at least once a week and see that this is carried out. Each ward has a rack to put the patients' tooth brushes in, and these racks are put out in the fresh air in the sun, so that the tooth brushes may be sterilized.

The consultant dental surgeon, Dr. Joseph Doherty, has visited the hospital 5 times in connection with 2 cellulitis cases and 1 direct wiring of the mandible.

December 1, 1936 to December 1, 1937. — Cleanings, 456; extractions, 1,195. Fillings: silver amalgam, 469; porcelain, 236; zinc oxide and eugenol, 273; kryptex 1; silver cement, 5, cement, 2; total, 986. Oral treatments in general: Vincent infections, canker sores, gingivitis, toothache, abscesses, total 495. Prosthetics: Full plates completed, 14; partial plate completed, 11; bridges completed, 3; gold crown completed, 1; plates repaired, 10; false plates marked for identification, 189; miscellaneous corrections, 89; fractured jaw, 1; removal of ring from finger, 1, cellulitis, 2; Dr. Doherty, consultant, visited hospital 5 times; referred to x-ray, 83; new patients examined, 840; re-examined patients, 267; total number of patients, 2,871; lectured 6 hours to student nurses.

PSYCHIATRIC CLINICS

The after-care clinics for patients on visit have completed a very successful year. This service is of especial value in guiding the patients and at times recommending their return to the institution for further treatment if needed. They are held at Gloucester, Haverhill, Lawrence, Salem, Newburyport, Lynn and Malden. Two of the clinics are so large that plans are underway to open two new clinics in different locations. The opportunity to refer patients to these clinics is infrequently taken by the physicians of the community.

ADULT MENTAL HYGIENE CLINIC

A substantial increase in patients treated was reported over the preceding year. The Lynn Hospital has continued to offer its clinics and laboratory facilities and this clinic is being utilized more and more in consultation service by the other clinics.

Patients are seen by appointment on one afternoon a week. Occasionally neurological conditions are treated. However, most of the conditions are psychiatric and consist largely of the psychoneuroses, including all types. Patients are given thorough physical and laboratory studies and somatic complaints are not dismissed as psychogenic until organic disease has definitely been ruled out.

Personality studies have been undertaken and problems in adjustment carefully investigated. The social service workers, Mrs. Darling and Miss Mason, have contributed valuable assistance in investigating home circumstances. Wherever possible, other members of the family have been contacted so as to better understand the problems at hand. There is a growing conviction that psychoneuroses represent an inability to satisfactorily solve life's problems. The clinic endeavored to re-educate patients in the art of living. The response to psychotherapy in general was quite satisfactory. Students from Tufts Medical School are assigned to this clinic as part of their month's clinical training and are given instruction in psychotherapy.

X-RAY DEPARTMENT AND LABORATORY SERVICE

During the past year the x-ray department was moved from the basement of the male attendants' home to a central location in the administration building, providing more space and facilitating the transportation of patients to the department.

The x-ray equipment that was old has been replaced and new equipment added. Two new cassettes, a shock-proof x-ray tube, a new, more accurate timer, and a new, more efficient wiring are needed. The physiotherapist has been doing most of the exposures since June, 1937.

The department has cooperated with Dr. M. Gene Black in her study of incidence of tuberculosis among the patients by fluoroscoping all patients with positive Mantoux tests.

The autopsy rate this year has increased and has stimulated the members of the staff to more accurate physical and mental diagnoses. A nucleus for a pathological museum has been started. A male attendant nurse has been assigned to help the pathologist. The microscopic apparatus has been renovated for future use and new equipment ordered.

More new examinations and bacterial studies have been done but the basal metabolism tests have decreased because of lack of space.

The student nurses have been instructed in pathology, bacteriology and urinalyses, by the pathologist.

The amount of work completed during the year is as follows:

Analyses: ice cream, 3; gastric, 2; milk, 5; water, 5.

Autopsies: 73.

Bacterial cultures, 17; bacteriological smears, 18; basal metabolic rate determinations, 6.

Blood chemistry: blood sugars, 45; N.P.N., 18; blood cultures, 1.

Blood examinations: platelet count, 1; red blood counts, 1,140; white blood counts, 1,148; differentials, 178; hemoglobin determinations, 1,140; coagulation time, 11; blood typing, 3; sedimentation tests, 3; fragility tests, 2; bleeding time, 11.

Gynecological smears, 171; phenolsulphonthalein tests, 6; pleural fluid examinations, 6; pneumococcus typing, 2.

Spinal fluids: Gold sols, 129; cell counts, 129.

Sputum examinations, 169; stool examinations, 38; urinalyses, 3,974.

X-rays exposed: 1,056; teeth, 100.

PUBLICATIONS

This year there was one paper presented and three were published, as follows:

1. "A Study of Accidents in a Mental Hospital", by Clarence A. Bonner, M.D., Lois E. Taylor, M.D., and Alice W. Schoenfuss, A.B. Read before the American Psychiatric Association in June, 1936, at St. Louis, Missouri.

2. "The Value of a Mental Hospital Training to the Occupational Therapy Student", by Edgar C. Yerbury, M.D. Published in the Bulletin of the Massachusetts Association for Occupational Therapy, Vol. 11, No. 2, March, 1937.

3. "Spinal Fluid Reaction in General Paresis as Modified by a Combination of Therapeutic Malaria and Tryparsamide", by Leo Maletz, M.D. and H. C. Solomon, M.D., Boston, Mass. Published in the American Journal of Syphilis, Gonorrhea and Venereal Diseases, Vol. 21, No. 3, May, 1937.

4. "Suggestions for the Next Revision of the Binet-Simon Scale", by Grace H. Kent, Ph.D. Published in The Psychological Record, Vol. 1, No. 25, November, 1937.

CONSTRUCTION REPORT

During the year this department took care of the usual repairs and maintenance of the hospital buildings. The organization of the department includes five carpenters, two masons, three painters and one blacksmith, one roofer or sheet metal worker and two construction handymen. Some help is obtained from patients who derive occupational treatment by working with the mechanics.

The buildings of the hospital group, with the exception of the new kitchen building, Nurses' Home, Male Employees' Home, male and female hydrotherapy buildings, power plants and Farm Hall, are not modern type buildings. They are all finished, including the floors, with a great deal of wood. The walls are generally finished in lime and hair plaster. The main group of buildings comprising eight ward buildings of three wards each, and the administration building, were erected more than sixty years ago.

It may be readily seen that considering the number of men in the repair department, the age and type of construction of the buildings, with the number of people quartered therein, a continual amount of maintenance work must be done each day to keep in repair and in a presentable appearance. Any great amount of renewal or modernization depends upon the amount of extra labor obtainable.

During the past year we have been fortunate in obtaining the services of WPA painters and carpenters. By using this labor, together with our own mechanics, we have completed the painting of the exterior of all the buildings on the grounds, including cottages, with the exception of main ward buildings and the buildings at the Colony. Within the past year and a half the interiors of all buildings housing patients and employees have been painted, with the exception of the Colony group.

During the year three new wood silos were erected for the farm. A brick building of approximately 20,000 cubic feet was erected for the use of the poultry division of the farm. The department laid approximately 600 squares of new asphalt roof shingles, 90 squares of asbestos wall shingles, and about 60 squares of tar and gravel roofs including flashings. Cottage No. 4 was completely renovated and Cottages No. 8 and No. 9 are now in the process of complete renovation and alteration. The interior of the surgical building has also been renovated and painted. The walls and ceilings of the older portion of the Male Employees' Home were replastered and a number of ceilings relathed with expanded metal. During the year the old kitchen portion of the Administration Building was altered to take care of the pharmacy and x-ray laboratory.

All mechanics of the department were engaged in the above-mentioned work and in some cases were assisted by WPA labor.

ENGINEERING DEPARTMENT

The main power plant new boiler installation was completed. The use of fuel oil in place of bituminous coal has resulted in a very clean and fine appearance of the boiler room. The efficiency of operation has been excellent.

The automatic oil-fired plant at Middleton Colony has been equipped with secondary air control and overfire draft regulation, resulting in a marked increase in operating efficiency. The results of two months' operation show an 18% increase in the amount of water evaporated for each pound of oil burned. Saving in fuel oil should run well over \$1,000 per year. The equipment to accomplish this saving cost \$600.

The accomplishments in the maintenance departments are as follows:

Electrical division: Wiring and lighting fixtures were installed in the space formerly used as the main kitchen.

The x-ray equipment was moved from the employees' home to the new space in E building.

Individual motor drive was installed for the vent fan in the laundry wash room, also for the clothes drier.

Three new 100 K.V.A. transformers were installed in the head house transformer room, taking the place of three 50 K.V.A. units. The 50 K.V.A. units were moved across the room and re-connected to produce 220 volt-3 phase current for motors. Three 25 K.V.A. units replaced by the three 50 K.V.A. units were moved to the power plant and put in place of three 10 K.V.A. units on the power service. These 10 K.V.A. units were set up at Middleton Colony to supply lighting current, replacing two old-style transformers which were considered unfit for further service.

A 15 h.p. A.C. motor was installed in the laundry to run 5 belt-driven washers, and the use of the 25 h.p. D.C. motor was discontinued. We are working toward the elimination of all D.C. equipment.

A 25 h.p. D.C. motor was taken out of the machine and carpenter shops and was replaced by two A.C. motors, one for each shop. A lot of unnecessary use of power is avoided by this two-motor arrangement. These three A.C. motors were obtained from other hospitals' surplus stocks at \$1.00 each.

Cottage No. 4 was completely re-wired and several new lighting fixtures were installed.

New wiring was installed for a new drinking water cooler in the basement of building D, also in the new building at the henneyry.

In the laundry new wiring was installed for a new washer and extractor, and the 3 sewing rooms were equipped with new wiring and lighting fixtures.

Wiring was installed for the secondary air controls and over the fire draft controls on the Middleton Colony boilers.

This division was allowed an additional electrician's helper last summer, and this extra man is a great help. Part of the work listed was done with the aid of WPA labor. It would not have been possible to accomplish so much except with outside help.

Machine division: The old belt-driven clothes drier in the laundry washroom was completely overhauled. Many new parts were installed.

New bearings were installed on the fan shaft of the No. 3 clothes drier.

The removal of the old D.C. drive made possible the removal of a large amount of shafting, pulleys and belts from the laundry washroom.

The Tollhurst extractor in the laundry was given a complete overhauling, new parts being installed where needed. A new foundation was built for this machine, resulting in smoother and safer operation.

The No. 1 brass washer (a very old machine) was given a thorough overhauling.

All lawn mowers were overhauled and sharpened, with new parts supplied where needed. The engine on the power lawn mower was completely overhauled.

The Autosan dish-washer was equipped with new gears in the main drive unit. The bumpers on food trucks were widened, to prevent damage to walls in the wards.

Several pieces of stainless steel equipment in the kitchen were repaired by electric welding.

One hundred-ten Firetox extinguishers were installed. An automatic weight-shifting mechanism was built for the Carrick over fire draft controller for No. 1 boiler.

Counter shafts with levers were built, for hooking up the new draft control system on the Middleton Colony boilers.

Plumbing and fixtures were installed in the space formerly used as the main kitchen.

A 1,000 gallon tank was installed at Middleton Colony for hot water storage. This tank was obtained at a cost of \$1 from the surplus equipment stock of another hospital. A hot water circulating pump was installed. The hot water mains at the Colony were replaced with copper tubing and all lines were covered with 4-ply air cell covering.

A new aluminum steam jacketed kettle and a new vegetable steamer were installed in the Middleton Colony kitchen. Several pieces of worn-out equipment were scrapped.

All the hot water distribution mains in the main hospital group were replaced with copper tubing, including mains to the 3 employees' homes. Air cell 4-ply covering was installed on the 3 mains.

New cold water risers of copper tubing were installed to replace lead lined iron pipe risers in buildings C, D, G and H. The old lines removed were in very poor condition. Material is on hand to replace the risers in buildings A and J.

Two extra water closets, greatly needed, were installed in the women's toilet on the first floor in F building.

A new sink, gas range and refrigerator were installed at Cottage No. 4, and most of the old brass water lines were replaced with copper tubing.

The water cooler in the basement of building D was piped up. This cooler supplies a drinking fountain in each of the three wards of this building.

Five sets of automatic washer valves were installed in the laundry. Piping for a new washer was installed in the laundry.

A complete heating system was installed in the new hennery.

Hot water radiation was installed in the two sun rooms at Cottage No. 5.

Radiation to the second floor of Cottage No. 4 was re-piped.

A new sprinkler system of irrigation for the vegetable garden was set up and piped.

New lines were laid in the ground between Cottage No. 9 and the boiler house at Middleton Colony. These lines supply the cottage with hot and cold water and with steam heat.

A considerable amount of WPA labor was used in completing these jobs. This division does not have enough regular men to do this amount of new work.

FARM REPORT

The farm suffered a great loss in May, 1937, when Mr. William Gordon, who so efficiently managed it, retired. Mr. Gordon through long experience on this farm was well acquainted with all the different peculiarities of its entire system. However, the farm as a whole came through with nearly an average production. Some of the worst losses could be well attributed to the very wet spring which stimulated root growth very near the surface of the soil. This was followed by a period of extreme dry weather which the root systems were not prepared for, causing the plants to stop growing. The sweet corn was one of the best examples of this loss.

The tomato crop was one of the largest ever produced at this institution, the total production being 115,580 lbs. Of this amount 4,946 No. 10 cans were preserved. The turnip crop was also very gratifying with a total production of 230,150 lbs., including both yellow and white turnips; Cabbage, 138,659 lbs.; onions, 44,214 lbs.; squash, 128,099 lbs.; beets, 34,253 lbs. and 28,389 lbs. of chard were about average crops. This year the installation of about 500 ft. of overhead irrigation served to show how very practical irrigation is on small crops such as lettuce, spinach, chard and celery.

The hay crop was normal with 262.62 tons. The quality of this hay was not all it should be from the standpoint of milk production. It is hoped that this quality will be partially corrected by the re-seeding of 35 acres of grassland with a seed mixture containing a very high percentage of clover.

During the summer the old silo was torn down and rebuilt; all the old staves that were in fit condition were used. Then each silo was wrapped with "Crane wrapping". This gives the institution three silos of very rigid construction with a capacity of about 580 tons. This year the total weight of the corn that went

into the silos was 750,935 lbs., which was nearly the poundage reached the year before.

The pork production for this year was 60,289 lbs., which was the amount called for in our 1937 budget. This year marks the beginning of a change from Duroc Jerseys to Chester White swine. We have procured two Chester White boars from Massachusetts State College at Amherst, and also eleven Chester White sows from the same source. There have also been two Chester White boars purchased from the middle west. All of this breeding stock is apparently very outstanding.

The head house at the poultry plant has been replaced with a brick veneer building, which contains a slaughter room, a grain-grinding room, besides ample space to pack eggs, sprout oats and do other necessary functions connected with the care of poultry. The production this year was 17,098 dozen eggs, 6,049 lbs. of fowl, 4,902 lbs. broilers. The institution was supplied with broilers in sufficient quantity to make it possible to serve them in the patients' dining room.

There were 919,905.59 lbs. of milk produced during the year, and 19,528 lbs. of beef. Whereas our hay was not of sufficient quality to stimulate high individual production, the cows held an average of 10,707 lbs. of milk. By continually eliminating the undesirable individuals of the herd, raising the quality of hay, and following strict rules of sanitation, it is hoped that the production can be materially increased.

This year there were 265 young apple trees set out, completing one block orchard on the side hill to the north of the hospital entrance. The quantity of apples picked and put into storage was 16,239 lbs. This poundage does not represent the total production as the patients have the privilege of picking and eating apples directly from the trees. This privilege is greatly enjoyed by the patients.

The farm equipment and machinery has been maintained at a high standard through the purchase of new and the repair of old. One of the most outstanding purchases was that of a one and one-half ton truck. This truck is used to transport patients to more distant fields. Another very important part of its work is the transportation of vegetables from the fields to the storage as soon as possible after they are picked, thus bringing them to the consuming point in a much better condition. It has been found that the tractors more than replace the horses, especially on this farm, because of the distance between the fields and the barn which is the start of all operations. There has also been an addition of several pieces of tractor equipment, such as a three-bottom plow, double disc harrow, two-row corn planter, two-row cultivator, and a bush and bog harrow. This equipment helps to speed up the work and to take care of some of the time lost by the forty-eight hour week.

The lawns and shrubbery have been kept at their usual high standard, although suffered seriously from the drouth which required the renewing of about 2,000 square feet of lawn. There was about 1,500 square feet of new lawn made surrounding the shuffleboard court, which is used by patients only. The plantings in front of the administration buildings were thinned and renewed where necessary. The plantings in the rear center area were changed to some extent by the addition of some new trees and shrubs.

One of the most valuable assets to the grounds was the starting of a nursery in which to start and grow new shrubbery which consists of both evergreen and deciduous plants. This nursery now contains about 8,000 plants of several different varieties, which were for the most part propagated at the institution.

The tennis court between the G wards and the laundry was resurfaced with clay, making it very desirable to both patients and employees.

RELIGIOUS SERVICES

The religious services have been held every Sunday during the year. They have been a factor in the treatment and guidance of our patients. The following Catholic, Protestant and Jewish clergymen have held their services during the past year: Rev. Remi B. Schuver, Rev. Arthur Wright, Rev. Charles M. Charlton, Rev. William Grimes, Rev. Kenneth Henley, Rev. Russell T. Loesch, Rev. Alfred F. Ferguson, Rev. Adrian T. June, Rev. Carlton Feener, and Rev. Moses L. Sedar.

ACKNOWLEDGEMENTS

As the year ends I wish to express my deep appreciation of the time, talent, and money expended for the patients by our friends in the community. To the many organizations that have entertained our patients I wish to express my thanks. To the officers and employees who have carried on the work I extend my appreciation. I am grateful also for the cooperation and assistance extended to me by the Department of Mental Diseases and the Board of Trustees.

Respectfully submitted,

CLARENCE A. BONNER, M.D.,

Superintendent.

REPORT OF TRAINING SCHOOL FOR NURSES

To the Superintendent of the Danvers State Hospital:

It is my privilege and pleasure to submit the forty-eighth annual report of the training school for nurses:

There were 64 requests for information in regard to the training school. Twenty-two applications were received. Five failed to meet the requirements: 1 was under eighteen; 2 were financially unable to enter; 1 lived in Indiana; 3 changed their minds; 4 were too late for entrance, and 6 reported for duty October 1, 1937.

On November 30, 1937, our students were as follows: Seniors, 7; intermediates, 8; probationers, 6.

The affiliated nurses for the year ending November 30, 1937 were as follows:

Chelsea Memorial Hospital: Helen Dorothy Kelly, Ursula Mary Cronin, Olga Eysiechick, Mary Cunningham, Ruth Elizabeth Miles, Mary Sweeney, Mary Valdimir, Murielle Moon, Celia Caruso, Celeste Conza, Gertrude Mugford, Ruth Martin Reed.

Leominster Hospital: Cecile Rheault, Ruth Louise Peterson, Sylvia Lacombe, Doris Moore, Eunice Brierley, Mary Cahalon, Dorothy Morin, Helen Gerzadowicz.

Melrose Hospital: Evelyn Wall, Charlotte Proctor.

Somerville Hospital: Elizabeth Pretty, Doris Mary Wiswell, Margaret Gilchrist, Mary Rose, Inez Govoni, Mona Gourley, Eleanor Finley, Inez James, Mary Morlian.

The graduating exercises were held September 23. The following nurses received diplomas:

Anna Ellen Baldwin
Margaret Irene Christoun
Elizabeth Anne Collopy
Ruth Veronica Flynn
Mary Nock Gill
Alice Rachell Goodell

Muriel Hazel Greeley
Mary Catherine Lillis
Sophie Elizabeth Sadowska
Grace Simpson Savedge
Anella Anna Shuman
Mary Anselm Trainor

Mary Nock Gill was awarded the Alumnae Prize of \$10 for the highest rank for three years:

New equipment consists of a skeleton and a disarticulated skull.

The following nurses resigned during the year: Mary Boyko, Lucille Charest, Eileen Virginia Eaton, Anne Shanahan Olsen, Muriel Paul Zellen, Class of 1936; Loretta Madden Lynch, Class of 1928; Margaret Copely Seagle, Class of 1933; Anna Casale O'Handley, Class of 1933. Mildred Catherine Jarosz and Dorothy Lovell Briggs were transferred to the male service.

I wish to thank the members of the medical and hospital staff for their kind cooperation and help with the teaching.

Respectfully submitted,

OLIVE F. ESTEY, R.N.,

Principal, School of Nursing.

OCCUPATIONAL THERAPY DEPARTMENT

To the Superintendent of the Danvers State Hospital:

The report of the activities and treatments of the occupational therapy department is as follows:

Personnel: One director and instructor, registered occupational therapist.* Four graduates of the Boston School of Occupational Therapy. One physical education instructor. Three attendants under department supervision.

*Registration is according to the requirements established by the American Medical Association.

Affiliating students from the Boston School of Occupational Therapy.

January-July, 1937 — Margaret Davis, Constance Fuller, Charlotte Newcomb, Mary Patch.

July-January, 1938 — Evelyn Cowles, Marion Guelman, Mary McNutt, Mary Raymond, Florence Smith, Bertha Skou.

Instruction: The students' program at this hospital has included lectures in advanced psychiatry, neurology, psychiatric nursing and psychology as well as instruction and practice in the principles and theory of occupational therapy as applied to mental hospitals. Full semester credits have been given to the following subjects not included above: hospital library management and therapeutic book selection; educational guidance in correspondence courses, lectures, art classes and music appreciation; physical education; recreational activities for individuals and groups; assisting in the instruction of elementary occupational therapy to the student nurses; the application of music and dramatics to mental adjustment; and one semester of industrial therapy theory, observation and some practice. Four groups of affiliating nurses from general hospitals and one class of senior nurses of the training school have received twenty to thirty hours of lecture and instruction in the application of elementary occupational therapy. The annual exhibit at the Essex County fair was a miniature set-up of a patient receiving occupational therapy from his entrance to discharge from the hospital and was commended for its educational value by members of the fair committee. Lectures have been given to the community and to interested nurses' alumnae groups in Lynn and Gloucester by the director, as there seems to be a growing interest in the responsibilities of club groups to the question of mental adjustment.

Changes in Personnel: Ruth Bjorson, 1936, graduate of Boston School of Occupational Therapy, with experience in Ypsilanti State Hospital, Michigan, and the Boston Psychopathic Hospital, replaced Elizabeth Hayden, February, 1937. Mary Patch, 1937, graduate, a new appointment, August, 1937.

Treatment Program: (statistics and reports). Reports are made on any patient contacted or treated in occupational therapy who is being examined at staff conference; bi-weekly conferences are held with the senior physicians of each service and monthly notations and summary of the department's activities are prepared for the entire medical staff for study. Therapeutic activities of the department have included the use of the following projects:

- | | |
|-------------------------|--|
| 1. Reception service | 6. Music and dramatics |
| 2. Adjustment classes | 7. Pre-vocational and pre-industrial instruction (in individual cases) |
| 3. Physical education | 8. Education to nurses and other groups. |
| 4. Recreational therapy | |
| 5. Educational therapy | |

Of the total admissions of 1937 the therapists have visited 89% female and 86% male patients as a part of the readjustment program. This reception interview consists of a reassuring message from the superintendent, a review of available resources — diversional, educational, and industrial, and is for the distinct purpose of assisting in the orientation and adjustment of the fearful patient by therapeutic information regarding the hospital and its facilities. Those not interviewed were too disturbed, on the danger list or discharged before contact was possible. Analyzed activity has been prescribed by the doctors and guided in daily classes by the therapists: 2 male, 3 female and 4 physical education; classes weekly in music appreciation, art instruction and library. Group treatment and social readjustment have been supervised in ward recreational classes, community singing, dramatics, dances and miscellaneous parties. Several acute patients requiring individual attention were treated by the occupational therapists. The library has been used extensively in the re-educational program supplying patients with books, magazines and occasional lectures to interested audiences of 25-30 patients. Book repair has been used to stimulate depressed patients of superior intelligence and book choice supervised when therapeutic. The 5th year of the hospital newspaper, Hill Topics, produced 25 issues of 500 copies each. Industrial placement is suggested in the doctor's conferences for those patients in adjustment classes when they have reached a plateau in their recovery and are ready for advanced activity. Some vocational guidance has been developed: typewriting, janitor training, fur-

niture repair, etc. Over 2,000 articles have been made as bi-products of the adjustment classes. Within the last 2 years 8 wards have been interior-decorated by the female patients under occupational therapy supervision in order to stimulate interest in the environment. An average of 700 patients (30% of total population) are receiving treatment during the month in the organized classes; others are contacted in the group treatment activities.

Entertainment and Donations: Entertainments have been supplied by the WPA; choirs, plays, minstrel shows and donations of books by local organizations and churches. The employees of the hospital presented a minstrel show for the patients.

Added features of 1937: An appointment of an additional therapist was made and an art class as a result of the annual patients' exhibit is held weekly with an average attendance of 15 patients. The choir has been reorganized and now visits the Colony monthly to sing at the church services.

The department has been handicapped by a lack of suitable environment for the treatments: the noisy industrial looms and machinery next to the shop are not conducive to relaxation in the patients during treatment and it is not possible to segregate the ward adjustment classes entirely from the patients not receiving industrial or occupational therapy because of the lack of space. For the same reason the ironing room which was referred to in the last report has not been completed.

Respectfully submitted,

POLLY K. LOESCH, O.T. Reg.,
Director of Occupational Therapy.

SOCIAL SERVICE REPORT

To the Superintendent of the Danvers State Hospital:

I have the honor to present the following as the report of the social service department of the Danvers State Hospital for the year ending November 30, 1937:

The total number of cases was 1,619. Of these, 1,271 were hospital cases, 270 child guidance cases, 74 adult mental hygiene clinic cases, and 4 outside cases. Eleven hundred and thirty-six were new; 881 of these were hospital cases, 198 child guidance, and 57 adult mental hygiene.

The work of the department is almost entirely confined to history taking. Owing to the limited personnel, we do practically no supervision work of patients on visit in the community. As reported last year, 3 additional trained psychiatric social workers are needed to carry on adequately the work of the department.

Our child guidance clinics have been operating for nine years. A total of 1,424 patients have been studied in these clinics. It is time we took stock of the wealth of material accumulated in the individual records of our child guidance clinics. What has our treatment been able to accomplish in individual cases? What conclusions can we draw from nine years' experience in clinics operated by the Danvers State Hospital? With these questions in mind I recommend that a study be undertaken of our child guidance clinic records. Such a study should make a real contribution to the whole field of mental hygiene. Whether or not such a study can be undertaken we should have the services of a statistician to enable us to record material so that it may be available for the purposes of study.

Mrs. Pearl Darling resigned in April, having given many years of satisfactory service. Miss Edith Mason was promoted to take her place. Miss Barbara Redden, a former student in the department, was appointed to fill the vacancy caused by Miss Mason's promotion. Miss Eleanor Elms, a master student at Simmons College School of Social Work, is doing her field work in our department this year.

Respectfully submitted,

MARY HENDERSON HOLLAND,
Head Social Worker.

SECTION 58-A CASES, CHILD GUIDANCE AND SCHOOL CLINICS

To the Superintendent of the Danvers State Hospital:

It is my pleasure to submit the following report for the extra mural department in its work with children for the year ending November 30, 1937:

The total number of cases (1,128) studied does not vary greatly from last year's report. The saturation point in case load with the present personnel appears to

have arrived — or nearly so at least. The personnel remains essentially the same as last year, also, both in numbers and in individuals, except the few months when Miss Dorothy Leach took Miss Georgie Brimigion's place. No changes occurred in clinics or their locations except the Melrose Clinic which did not reopen in September. Because of the demand for clinic services, we have found it necessary on several occasions to hold both the Lynn and the Newburyport Clinics for an entire day instead of the half day assigned to them. Waiting lists have been long and only in this way have we been able to accept new cases for study within a reasonable time. We examined a total of 198 new child guidance cases and we carried over for further study 72 of the cases from previous years. In addition to this, there were 21 so-called 'outside' cases which were examined during the summer while clinics were closed. This does not include several cases first seen as outside cases and later referred to our regular clinics.

This department has been making routine examinations of all children admitted to the Carpenter Street Home for Children in Salem as well as the cases under the supervision of the Child Welfare House in Lynn.

Miss Agnes Reardon, our speech teacher, had 15 cases in Lynn and 39 cases in the Salem Clinic. Two more speech cases were brought in for her advice but these were not put on our files as regular cases.

We examined 250 juvenile cases for the District Courts of Essex County and for the Chelsea Court under the old Chapter 215 of the General Laws, now Chapter 119, Section 58-A. The following table was compiled for the annual report of the court work for the year ending October 1, 1937. This does not quite coincide with our present report, but 11 months are identical.

AGE GROUPS	Total			Normal			Sub-Normal			Feeble-minded			Psychosis			Psychosis with Feeble-minded		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 12 .	30	1	31	19	-	19	7	1	8	3	-	3	1?	-	1?	-	-	-
12-15 .	163	15	178	110	7	117	35	6	41	18	2	20	-	-	-	-	-	-
15-18 .	52	6	58	25	4	29	14	1	15	13	1	14	-	-	-	-	-	-
Totals .	245	22	267	154	11	165	56	8	64	34	3	37	1	-	1	-	-	-

Several courtesy examinations were made for the courts and are reported under "outside cases". These were chiefly adolescents over the legal age for Juvenile Court, but on whom the court requested the '58-A' report.

Our School Clinic examined 587 children in 25 towns or cities this year as opposed to 23 towns last year. There were 461 new cases and 126 re-examinations in this group. Reports to the Superintendents of the various schools are often considerably delayed. This is a great handicap, especially to the school visited in the latter part of the spring term. This delay is easily explained: it is impossible for one stenographer, unaided, to handle adequately the greatly increased number of cases since 1933. Our stenographer is now attempting to do the clerical and stenographic work for two full time physicians and the typing for the adult mental hygiene clinic as well. This represents at least a third more work than she can possibly handle successfully in a given time.

A survey during the year discloses the fact that child guidance clinic workers travelled approximately 13,000 miles in their duties.

The usual informal lectures and addresses were given to groups in the community.

Respectfully submitted,

DORIS M. SIDWELL, M.D.

PSYCHOLOGICAL REPORT

To the Superintendent of the Danvers State Hospital:

I have the honor to present the annual report of the Department of Psychology for the year ending November 30, 1937.

At the opening of this fiscal year the three junior members of the department were Rosemary Mehan, Barbara Redden and Margaret Kelly. Miss Redden returned in May to the Department of Social Service, leaving a vacancy which was taken by Marjorie Priest. Miss Mehan and Miss Kelly left in July to take positions in other state institutions, and their places were taken by Mildred von der Sump of Wheaton College and Norma Monroe of New Hampshire University. Miss Priest left in September and her place was taken by Elaine Kelleher of Tufts College.

The psychometric work of the year has included 1,479 examinations administered individually, grouped as follows:

Hospital patients, recently admitted	413
Cases in child guidance clinics	196
Juvenile court cases, Section 58A	236
Retarded children in public schools	587
Unclassified cases	47

Total	1,479
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In September a group examination was administered to the newly enrolled students of the Essex County Agricultural School, numbering 146. The records were scored and the report was given to the school, to aid in the classification of the students.

Our routine work has included a ten-hour course of lectures, repeated every three months, for the visiting nurses. Each month during the academic year we have given a four-hour course in psychometrics for the medical internes. The social service students also have received informal instruction in psychometrics.

This year has seen the completion of an undertaking which was started in 1932 with the assistance of Dorothy McLeod. Since that year we have been collecting test records obtained from hospital patients examined by us, for the purpose of establishing "autogenous norms" for the use of this institution. Seven language tests have been standardized for the hospital, the norms being compiled from the records of 1,000 literate patients between 16 and 60 years of age. Within these limits the cases included in the study are essentially unselected, and it is believed that this group of patients is fairly representative of the English-speaking population of the hospital. With the aid of these self-derived norms, we are now able to state that a score of 40 in a given test places a patient in the upper 20% of the hospital population. For a patient in early life who is not too far removed from school days, we may still report that same score as indicating a 13-year achievement in the test; but the rating which involves comparison with the achievement of school children is unfair to subjects who have reached middle life, and for all such patients a rating based upon comparison with the hospital population is more significant than the "mental age" rating. It remains to be seen whether the norms derived from this hospital will be useful also for other institutions of like nature. In any event, our method of establishing "autogenous norms" can be recommended to other institutions.

One paper has come to publication this year, entitled: "Suggestions for the next revision of the Binet-Simon scale". This paper is intended for wide circulation among students who are engaged in researches upon the development of mental tests.

We have in progress other studies of long standing which should be brought to completion, but inevitably the routine duties keep our time well filled. We are in need of an additional worker and additional office space.

In the fall of 1931 this department took over full responsibility for the psychometric work of the hospital, with the understanding that the appointments for outside work should be given preference over any work done inside the hospital. In 1932, the first year in which our duties included the school clinic testing, our extra-mural case load was 745 cases. Since that time it has been increasing, reaching the figure 1,066 cases for the year 1937. This increase of 43 per cent in our most urgent work would seem to justify an increase in our working force.

Respectfully submitted,

GRACE H. KENT, Ph.D.

VALUATION

November 30, 1937

REAL ESTATE

Land, 517.68 acres	\$101,317.00
Buildings and Betterments	2,937,738.10

\$3,039,055.10

PERSONAL PROPERTY

Travel, transportation and office expenses	\$5,053.10
Food	13,018.26
Clothing and materials	24,991.22
Furnishings and household supplies	150,548.02
Medical and general care	15,391.64
Heat and other plant operation	7,523.84
Farm	20,740.31
Garage and grounds	8,521.79
Repairs	25,427.08

\$271,215.26

SUMMARY

Real estate	\$3,039,055.10
Personal property	271,215.26

\$3,310,270.36

FINANCIAL STATEMENT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the year ending November 30, 1937.

STATEMENTS OF EARNINGS

Board of Patients	\$110,616.68
Personal Services	247.39

Sales:

Travel, transportation and office expenses	\$9.00
Food	730.27
Clothing and materials	239.39
Furnishings and household supplies	52.29
Medical and general care	197.20
Heat and other plant operations	1,734.86
Garage and grounds	5.43
Repairs ordinary	1,537.44
Farm: (horses, \$130; livestock, \$451.91; hides, \$188.62; bags and bbls., \$155.03; wood, \$87.25; sundries, \$33.)	1,045.81

Total sales	\$5,551.69
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Miscellaneous:

Interest on bank balances	\$60.00
Rents	840.00
Total miscellaneous	900.00

Total earnings for the year	\$117,315.76
Total cash receipts reverting and transferred to the State Treasurer	117,255.49
Accounts receivable outstanding December 1, 1936	\$100.98
Accounts receivable outstanding November 30, 1937	161.25
Accounts receivable increased	\$60.27

MAINTENANCE APPROPRIATION

Balance from previous year, brought forward	\$159.09
Appropriation, current year:	\$875,490.00
	48,000.00
Total	923,490.00

Expenditures as follows:	\$923,649.09
Personal services	\$469,186.56
Food	136,284.65
Medical and general care	16,951.08
Religious instruction	2,041.47
Farm	35,802.68
Heat and other plant operation	114,632.36
Travel, transportation and office expenses	8,949.08
Garage and grounds, (garage, \$4,188.19; Grounds, \$795.97)	4,984.16
Clothing and materials	34,884.73
Furnishings and household supplies	40,379.62
Repairs ordinary	19,254.37
Repairs and renewals	21,870.34

Total maintenance expenditures	\$905,221.10
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Balances of maintenance appropriation, November 30, 1937	\$18,427.99
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\$18,427.99

SPECIAL APPROPRIATIONS

Balance December 1, 1936, brought forward	\$57,173.22
Appropriation for current year	2,584.35

Total	59,757.57
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Expended during the year (see statement below)	\$47,082.11
Reverting to Treasury of Commonwealth	* 3,039.60
	50,121.71
Balance November 30, 1937, carried to next year	\$9,635.86

APPROPRIATION	Act or Resolve Chap. Year	Total Amount Appropriated	Expended during fiscal year	Total Expended to date	Balance at end of year
Floor covering	304-1936	\$4,300.00	\$1,805.00	\$4,295.47	\$4.53*
Installation power plant equipment	249-1935	3,000.00	-	-	3,000.00*
Laundry equipment	304-1936	6,000.00	637.72	5,964.93	35.07*
Tubs for continuous baths	234-1937	8,000.00	-	-	8,000.00
Mass. State Project M-7 Docket 2641 Hydrotherapy building		144,964.49	23.73	144,964.49	-
Mass. State Project M-42 Docket 4666 sprinklers, rewiring and fire- proof stairs		121,195.89	-	121,195.89	-
Mass State Project M-101 Docket 1134 three boilers		150,396.66	40,735.89	149,001.08	1,395.58
Mass. State Project M-112 Docket 1152 fire alarm		27,027.31	3,879.77	26,787.03	240.28

PER CAPITA

During the year the average number of patients has been, 2,263.
Total cost of maintenance, \$905,221.10.
Equal to a weekly per capita cost of (52 weeks to year), \$7.692.
Total receipts for the year, \$117,255.49.
Equal to a weekly per capita of, \$.996.
Total net cost of maintenance for year, \$787,965.61.
Net weekly per capita, \$6.696.

Respectfully submitted,
HULDA ARONSON,
Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY
THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Information

(Data correct at end of institution year November 30, 1937)

Date of opening as a hospital for mental diseases: May 13, 1878
Type of hospital: State.
Hospital plant:
Value of hospital property:
Real estate, including buildings \$3,039,055.10
Personal property 271,215.26
Total \$3,310,270.36
Total acreage of hospital property owned, 517.68044.
Total acreage under cultivation during previous year, 364.5.
Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	-	1	-	-	-
Assistant physicians	8	3	11	2	-	2
Total physicians	9	3	12	2	-	2
Stewards	2	-	2	-	-	-
Resident dentists	1	-	1	-	-	-
Pharmacists	1	-	1	-	-	-
Graduate nurses	1	43	44	-	-	-
Other nurses and attendants	128	147	275	3	1	4
Occupational therapists	-	5	5	-	-	-
Social workers.	-	4	4	-	-	-
All other officers and employees	110	76	176	-	-	-
Total officers and employees	252	278	530	5	1	6

Classification by Diagnosis September 30, 1937

Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane	1,059	1,222	2,281	145	204	349
Mental defectives	—	1	1	—	—	—
Alcoholics	2	—	2	—	—	—
All other cases	4	4	8	—	—	—
Total	1,065	1,227	2,292	145	204	349
OTHER RACES:						
Insane	13	9	22	—	2	2
Total	13	9	22	—	2	2
Grand Total	1,078	1,236	2,314	145	206	351
	M.	F.	T.			
Patients under treatment in occupational-therapy classes, including physical training, on date of report	171	356	527			
Other patients employed in general work of hospital on date of report	636	496	1,132			
Average daily number of all patients actually in hospital during year	1,054	1,209	2,263			
Voluntary patients admitted during year	2	3	5			
Persons given advice or treatment in out-patient clinics during year	488	742	2,377			

TABLE 2. *Movement of Patient Population for the Year Ended September 30, 1937*
(Data in all of the following tables are based on the Statistical Year, October 1, 1936 to September 30, 1937)

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1936	1,249	1,372	2,621	1,236	1,366	2,602	8	4	12	3	-	3	2	2	4
Admissions during year:															
First admissions	344	331	675	219	253	472	41	35	76	83	40	123	1	3	4
Readmissions	134	120	254	95	106	201	16	7	23	22	7	29	1	-	1
Total admissions	478	451	929	314	359	673	57	42	99	105	47	152	2	3	5
Transfers from other mental hospitals	17	17	34	17	17	34	-	-	-	-	-	-	-	-	-
Total received during year	495	468	963	331	376	707	57	42	99	105	47	152	2	3	5
Total on books during year	1,744	1,840	3,584	1,567	1,742	3,309	65	46	111	108	47	155	4	5	9
Discharged from books during year:															
As recovered	56	15	71	11	1	12	15	10	25	30	4	34	-	-	-
As improved	157	139	296	137	118	255	12	11	23	8	10	18	-	-	-
As unimproved	12	14	26	5	6	11	-	1	1	7	7	14	-	-	-
As without psychosis	76	34	110	5	-	5	22	10	32	46	21	67	3	3	6
Total discharged to community	301	202	503	158	125	283	49	32	81	91	42	133	3	3	6
Transferred to other mental hospitals	77	62	139	77	62	139	-	-	-	-	-	-	-	-	-
Died during year	143	134	277	123	122	245	6	8	14	14	4	18	-	-	-
Total discharged, transferred and died during year	521	398	919	358	309	667	55	40	95	105	46	151	3	3	6
Patients remaining on books of hospital at end of year:															
In hospital	1,078	1,236	2,314	1,064	1,228	2,292	10	6	16	3	1	4	1	1	2
On parole or otherwise absent	145	206	351	145	206	351	-	-	-	-	-	-	-	-	-
Total	1,223	1,442	2,665	1,209	1,434	2,643	10	6	16	3	1	4	1	1	2

NOTE: — The total females in the Voluntary and Insane groups will not balance through September 30, 1937 owing to the fact that one female had a change in legal status during the year from Section 86 (Vol. Sane) to Sec. 51 (Court Commitment).

SUPPLEMENTARY DATA

	Males	Females	Total
Average daily number of patients on books during year.	1,205	1,397	2,602
Actually in institution during year	1,050	1,203	2,253
In family care	-	10.01	10.01
On visit	146	183	329
On escape	8.57	.71	9.28
Number of patients actually remaining in institution September 30, 1937:			
State	972	1,010	1,982
Reimbursing	106	226	332
Ex-service patients paid by Federal Government	1	-	1
Number of patients in family care September 30, 1937:			
State	-	7	7
Private	-	2	2
Number of non-insane patients in hospital at end of institution year:			
Mentally defective	-	1	1
Others	6	4	10

TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States ¹	228	204	432	113	117	90	105	96	83
Austria	—	2	2	—	1	—	3	2	2
Canada ²	37	53	90	58	58	48	67	69	57
China	1	—	1	1	1	1	—	—	—
Czecho-Slovakia	—	1	1	—	—	—	1	1	1
England	12	10	22	23	18	13	22	19	13
Finland	2	—	2	3	3	3	—	—	—
France	1	—	1	1	1	1	—	—	—
Germany	2	3	5	7	11	6	6	7	5
Greece	4	—	4	4	4	4	1	1	1
Hungary	—	—	—	—	1	—	—	1	—
Ireland	11	13	24	47	46	38	38	44	34
Italy	12	13	25	19	17	17	21	22	21
Norway	1	—	1	2	2	2	—	—	—
Poland	11	11	22	14	13	12	14	15	14
Portugal	3	1	4	4	5	4	1	1	1
Russia	10	6	16	16	15	14	11	10	10
Scotland	1	6	7	1	3	1	9	7	5
South America	—	1	1	—	—	—	1	1	1
Sweden	2	2	4	5	3	3	4	4	4
Turkey in Asia	1	—	1	1	1	1	—	—	—
Turkey in Europe	2	—	2	2	2	2	—	—	—
Wales	—	—	—	1	—	—	—	—	—
Other Countries	2	5	7	6	6	6	6	5	5
Unknown	1	—	1	16	16	9	21	26	19
Total	344	331	675	344	344	275	331	331	276

¹Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.²Includes Newfoundland.

TABLE 4. Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born

AGE AT ADMI- SION YEARS	NATIVE BORN			FOREIGN BORN			NATIVITY UNKNOWN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	AGGREGATE	PERCENTAGE						TOTAL	TIME IN UNITED STATES BEFORE ADMISSION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		TOTAL			Unknown				Under 5 years	5-9 years	10-14 years	15 years and over	Unknown																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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TABLE 5. *Citizenship of First Admissions*

	M.	F.	T.
Citizens by birth	228	204	432
Citizens by naturalization	57	45	102
Aliens	36	35	71
Citizenship unknown	23	47	70
Total	344	331	675

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			With syphilitic meningo-encephalitis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses			Due to drugs, etc.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
English	84	65	149	-	-	-	-	-	-	-	-	-	10	1	11	-	1	1
Finnish	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	22	19	41	2	-	2	1	-	1	-	-	-	3	-	3	-	1	1
German	8	5	13	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
Greek	4	1	5	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	16	14	30	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Irish	66	47	113	4	-	4	-	-	-	-	-	-	13	1	14	1	-	1
Italian ¹	17	23	40	1	-	1	-	-	-	-	-	-	3	2	5	-	-	-
Lithuanian	5	3	8	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-
Portuguese	3	1	4	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Scandinavian ²	5	4	9	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Scotch	3	10	13	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	17	16	33	1	-	1	-	-	-	-	-	-	8	1	9	1	-	1
Syrian	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	75	106	181	2	2	4	-	-	-	1	1	2	6	2	8	-	-	-
Race unknown	8	14	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	344	331	675	14	3	17	1	-	1	1	1	2	51	7	58	2	2	4

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Traumatic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)			Senile psychoses			Involuntional psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	37	23	60	1	-	1	-	-	-	4	8	12	1	3	4
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	1	-	1	4	6	10	-	1	1	1	-	1	-	-	-	-	-	-
German	-	-	-	4	1	5	-	-	-	-	-	-	-	1	1	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Hebrew	-	-	-	4	2	6	-	-	-	-	-	-	-	1	1	2	1	3
Irish	1	-	1	12	9	21	-	-	-	-	-	-	2	2	4	3	-	3
Italian ¹	-	-	-	5	1	6	-	-	-	1	1	-	-	2	2	-	1	1
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	3	3	6	-	-	-	1	1	-	-	-	-	-	-	-
Slavonic ³	-	-	-	1	-	1	-	1	1	-	-	-	2	2	-	1	-	1
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	1	-	1	16	21	37	3	1	4	1	1	2	3	13	16	1	4	5
Race unknown	-	-	-	4	7	11	-	-	-	-	-	-	-	2	2	-	-	-
Total	4	-	4	93	74	167	4	3	7	2	3	5	10	33	43	8	10	18

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Due to other metabolic diseases, etc.			Due to new growth			With organic changes of nervous system			Psycho-neuroses			Manic-depressive psychoses			Dementia praecox		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	1	1	1	-	1	1	-	1	2	3	5	5	7	12	5	9	14
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
French	-	-	-	-	-	-	-	-	-	1	2	3	1	-	1	4	7	11
German	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1
Greek	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-
Hebrew	1	-	1	-	-	-	1	-	1	2	1	3	1	2	3	3	5	8
Irish	1	1	2	-	-	-	2	2	4	-	2	2	3	5	8	11	14	25
Italian ¹	1	-	1	1	-	1	-	-	-	1	2	3	2	-	2	2	12	14
Lithuanian	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
Scotch	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	2	2
Slavonic ³	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	3	9	12
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	1	2	3	-	-	-	1	1	2	4	9	13	6	8	14	15	29	44
Race unknown	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	2	3
Total	4	5	9	2	-	2	5	4	9	12	21	33	20	23	43	49	95	144

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency			Undiagnosed psychoses			Without psychoses			Primary behavior disorders		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	1	1	-	3	3	-	-	-	17	5	22	-	-	-
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
French	1	-	1	-	-	-	-	1	1	-	-	-	3	1	4	-	-	-
German	-	1	1	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	1	1	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-
Irish	-	2	2	-	-	-	1	1	2	1	-	1	11	8	19	-	-	-
Italian ¹	-	-	-	-	-	-	-	1	1	-	-	-	1	1	2	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	-	-	-
Slavonic ³	-	-	-	-	1	1	-	-	-	-	-	-	3	1	4	-	-	-
Syrian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	2	2	-	-	-	2	-	2	-	-	-	12	9	21	-	1	1
Race unknown	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4	-	-	-
Total	3	7	10	-	2	2	3	7	10	1	1	2	55	29	84	-	1	1

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	14	3	17	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	51	7	58	-	-	-	-	-	-	-	-	-	5	-	5
Due to drugs, etc.	2	2	4	-	-	-	-	-	-	1	-	1	-	-	-
Traumatic psychoses	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	93	74	167	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	4	3	7	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	2	3	5	-	-	-	-	-	-	1	-	1	-	1	1
Senile psychoses	10	33	43	-	-	-	-	-	-	-	-	-	-	-	-
Involuntal psychoses	8	10	18	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	4	5	9	-	-	-	-	2	2	-	1	1	-	-	-
Due to new growth	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	5	4	9	-	-	-	-	-	-	-	-	-	2	1	3
Psychoneuroses	12	21	33	-	-	-	-	-	-	3	-	3	-	3	3
Manic-depressive psychoses	20	23	43	-	-	-	1	2	3	-	-	3	2	1	3
Dementia praecox	49	95	144	-	1	1	6	11	17	12	9	21	6	10	16
Paranoia and paranoid conditions	3	7	10	-	-	-	-	-	-	-	-	-	-	1	1
With psychopathic personality	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	3	7	10	-	-	-	1	1	2	-	2	2	1	1	2
Undiagnosed psychoses	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	55	29	84	1	-	1	6	2	8	5	3	8	2	2	4
Primary behavior disorders	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Total	344	331	675	1	1	2	14	18	32	25	15	40	18	21	39

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilic meningo-encephalitis	1	-	1	4	-	4	2	-	2	1	1	2	2	-	2	3	1	4
With epidemic encephalitis	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	7	2	9	5	2	7	9	1	10	10	1	11	7	1	8	3	-	3
Due to drugs, etc.	-	-	-	-	2	2	-	-	-	-	-	-	1	-	1	-	-	-
Traumatic psychoses	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	3	2	5	6	9	15
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1
With convulsive disorders (epil.)	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntal psychoses	-	-	-	-	-	-	-	2	2	-	4	4	2	4	6	4	-	4
Due to other metabolic diseases, etc.	1	-	1	1	-	1	-	-	-	1	-	1	-	-	-	-	2	2
Due to new growth	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
With organic changes of nervous system	1	1	1	1	2	3	-	-	-	1	-	1	-	-	-	-	-	-
Psychoneuroses	1	1	2	1	6	7	-	1	1	5	2	7	-	2	2	1	3	4
Manic-depressive psychoses	1	2	3	1	2	3	3	5	8	5	2	7	1	3	4	1	3	4
Dementia praecox	7	10	17	6	13	19	5	11	16	4	13	17	2	9	11	1	5	6
Paranoia and paranoid conditions	-	-	-	1	1	2	-	3	3	-	-	-	-	1	1	-	-	-
With psychopathic personality	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With mental deficiency	-	1	1	-	-	-	1	1	2	-	-	-	-	-	-	-	1	1
Undiagnosed psychoses	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Without psychoses	6	2	8	8	4	12	7	4	11	4	3	7	5	2	7	2	-	2
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	27	19	46	29	32	61	28	31	59	32	26	58	24	26	50	22	25	47

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic men- ingo-encephalitis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic en- cephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	1	-	1	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Due to drugs, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	2	-	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteri- osclerosis	14	6	20	16	11	27	24	17	41	15	14	29	10	9	19	5	6	11
With other distur- bances of circula- tion	1	1	2	1	-	1	1	1	2	-	-	-	-	-	-	-	-	-
With convulsive dis- orders (epil.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	3	3	1	1	2	1	6	7	1	13	14	4	5	9	3	5	8
Involutional psy- choses	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other meta- bolic diseases, etc.	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	2	2	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and para- noid conditions	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental de- ficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Undiagnosed psy- choses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses.	3	3	6	2	2	4	-	1	1	2	-	2	1	-	1	1	1	2
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	28	22	50	27	17	44	27	25	52	18	27	45	15	14	29	9	12	21

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	TOTAL			Illiterate		Reads Only		Reads and Writes		Common School		High School		College		Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	14	3	17	2	-	2	-	-	2	6	2	8	3	1	4	-	1	1
With epidemic encephalitis	1	-	1	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-
With other infectious diseases	51	1	52	-	-	-	-	-	-	26	3	29	11	4	15	-	1	1
Alcoholic psychoses	2	2	4	5	-	5	-	7	1	3	2	3	1	4	1	1	-	-
Due to drugs, etc.	4	-	4	-	-	-	-	-	-	3	1	3	1	1	1	-	-	-
Traumatic psychoses	93	74	167	4	8	12	1	5	16	60	39	99	5	17	22	4	2	10
With cerebral arteriosclerosis	4	3	7	-	-	-	-	-	1	2	1	3	2	1	2	-	1	1
With other disturbances of circulation	2	3	5	-	-	-	-	-	-	2	2	4	1	6	7	-	1	1
With convulsive disorders (epilepsy)	10	33	43	4	4	8	-	2	2	5	17	22	3	4	7	3	3	1
Senile psychoses	18	5	23	1	1	2	-	-	-	4	3	7	3	4	7	1	-	-
Involuntal psychoses	4	5	9	1	1	2	-	-	1	1	2	3	1	2	3	-	1	1
Due to other metabolic diseases, etc.	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	5	4	9	-	1	1	-	-	-	3	1	4	2	1	3	-	1	-
With organic changes of nervous system	12	21	33	-	-	-	-	-	1	7	8	15	2	8	10	-	3	-
Psychoneuroses	20	23	43	-	-	-	-	1	1	11	13	24	6	6	12	1	1	2
Manic-depressive psychoses	49	95	144	-	-	-	-	2	3	20	50	70	21	30	51	4	5	9
Dementia praecox	3	7	10	-	7	7	-	1	1	2	2	5	7	1	1	1	1	4
Paranoia and paranoid conditions	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	3	7	10	1	1	2	-	1	1	1	5	6	1	1	1	-	-	-
With mental deficiency	1	1	2	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-
Undiagnosed psychoses	55	29	84	1	-	1	-	5	2	25	22	47	16	4	20	4	4	1
Without psychoses	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	1	5
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	344	331	675	18	24	42	1	2	3	180	179	359	76	85	161	15	14	29

TABLE 9. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			0-2,499		2,500-9,999		10,000-24,999		25,000-49,999		50,000-99,999		100,000-249,999		500,000+		Unknown
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	14	3	17	-	-	-	-	3	2	5	1	3	1	7	-	-	-	-
With epidemic encephalitis	1	-	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
With other infectious diseases	1	1	2	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Alcoholic psychoses	51	7	58	-	-	-	-	11	1	12	11	14	1	11	2	3	-	-
Due to drugs, etc.	2	2	4	-	-	-	-	1	1	1	1	-	-	1	1	-	-	-
Traumatic psychoses	4	-	4	1	1	-	-	-	-	-	1	2	-	-	-	-	-	-
With cerebral arteriosclerosis	93	74	167	6	3	9	7	29	15	44	22	14	20	14	17	1	1	1
With other disturbances of circulation	4	3	7	-	-	-	-	2	2	4	1	1	1	1	-	-	-	-
With convulsive disorders (epilepsy)	2	3	5	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-
Semile psychoses	10	33	43	1	2	3	2	3	5	6	3	1	6	3	1	-	-	-
Involutional psychoses	8	10	18	-	1	1	-	3	3	6	1	1	2	3	2	1	-	-
Due to other metabolic diseases, etc.	4	5	9	-	-	-	-	-	1	1	1	1	1	2	2	-	-	-
Due to new growth	2	2	4	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
With organic changes of nervous system	5	4	9	-	-	-	-	1	3	4	1	2	1	1	1	-	-	-
Psychoneuroses	12	21	33	-	-	-	-	3	7	10	2	5	3	5	4	-	-	-
Manic-depressive psychoses	20	23	43	-	-	-	-	7	6	13	3	6	9	7	5	1	1	1
Dementia praecox	49	95	144	1	5	6	2	9	25	34	12	13	27	6	15	-	-	-
Paranoid and paranoid conditions	3	7	10	-	-	-	-	2	2	4	1	3	4	2	2	-	-	-
With psychopathic personality	-	2	2	-	-	-	-	1	1	2	-	-	3	3	-	-	-	-
With mental deficiency	3	7	10	-	-	-	-	1	1	2	-	-	1	1	-	-	-	-
Undiagnosed psychoses	1	1	2	-	-	-	-	1	1	1	1	1	3	1	-	-	-	-
Without psychoses	55	29	84	-	-	-	-	18	9	27	13	10	10	10	4	1	1	1
Primary behavior disorders	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	344	331	675	10	11	21	24	92	81	173	75	70	86	64	61	5	4	7

TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Dependent			Marginal			Comfort- able			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo- encephalitis	14	3	17	3	1	4	11	2	13	-	-	-	-	-	-
With epidemic encephalitis.	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
With other infectious diseases	1	1	2	1	-	1	-	1	1	-	-	-	-	-	-
Alcoholic psychoses	51	7	58	7	1	8	44	6	50	-	-	-	-	-	-
Due to drugs, etc.	2	2	4	-	-	-	2	2	4	-	-	-	-	-	-
Traumatic psychoses	4	-	4	1	-	1	3	-	3	-	-	-	-	-	-
With cerebral arteriosclerosis	93	74	167	54	45	99	39	28	67	-	1	1	-	-	-
With other disturbances of circulation	4	3	7	2	-	2	1	3	4	1	-	1	-	-	-
With convulsive disorders (epilepsy)	2	3	5	2	1	3	-	2	2	-	-	-	-	-	-
Senile psychoses	10	33	43	7	21	28	3	10	13	-	1	1	-	1	1
Involuntional psychoses	8	10	18	-	1	1	8	9	17	-	-	-	-	-	-
Due to other metabolic dis- eases, etc.	4	5	9	1	-	1	3	5	8	-	-	-	-	-	-
Due to new growth	2	-	2	1	-	1	1	-	1	-	-	-	-	-	-
With organic changes of nervous system	5	4	9	4	2	6	1	2	3	-	-	-	-	-	-
Psychoneuroses	12	21	33	5	4	9	7	17	24	-	-	-	-	-	-
Manic-depressive psychoses	20	23	43	3	5	8	17	17	34	-	-	-	-	1	1
Dementia praecox	49	95	144	14	22	36	35	72	107	-	1	1	-	-	-
Paranoia and paranoid con- ditions	3	7	10	1	3	4	2	4	6	-	-	-	-	-	-
With psychopathic person- ality	-	2	2	-	1	1	-	1	1	-	-	-	-	-	-
With mental deficiency	3	7	10	1	7	8	2	-	2	-	-	-	-	-	-
Undiagnosed psychoses	1	1	2	-	1	1	1	-	1	-	-	-	-	-	-
Without psychoses	55	29	84	22	10	32	33	19	52	-	-	-	-	-	-
Primary behavior disorders	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
Total	344	331	675	130	125	255	213	201	414	1	3	4	-	2	2

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo- encephalitis	14	3	17	-	1	1	7	-	7	6	-	6	1	2	3
With epidemic encephalitis	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
With other infectious diseases	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	51	7	58	-	-	-	-	-	-	51	7	58	-	-	-
Due to drugs, etc.	2	2	4	-	1	1	1	1	2	1	-	1	-	-	-
Traumatic psychoses	4	-	4	-	-	-	-	-	-	4	-	4	-	-	-
With cerebral arterio- sclerosis	93	74	167	34	60	94	38	7	45	19	4	23	2	3	5
With other disturbances of circulation	4	3	7	1	2	3	3	1	4	-	-	-	-	-	-
With convulsive dis- orders (epilepsy)	2	3	5	1	3	4	1	-	1	-	-	-	-	-	-
Senile psychoses	10	33	43	5	30	35	1	2	3	4	1	5	-	-	-
Involuntional psychoses	8	10	18	4	8	12	3	2	5	1	-	1	-	-	-
Due to other metabolic diseases, etc.	4	5	9	1	2	3	2	2	4	1	-	1	-	1	1
Due to new growth	2	-	2	-	-	-	2	-	2	-	-	-	-	-	-
With organic changes of nervous system	5	4	9	3	3	6	1	1	2	1	-	1	-	-	-
Psychoneuroses	12	21	33	6	18	24	5	2	7	1	1	2	-	-	-
Manic-depressive psy- choses	20	23	43	7	14	21	10	5	15	3	-	3	-	4	4
Dementia praecox	49	95	144	30	67	97	14	23	37	3	-	3	2	5	7
Paranoia and paranoid conditions	3	7	10	1	5	6	1	-	1	1	1	2	-	1	1
With psychopathic per- sonality	-	2	2	-	1	1	-	1	1	-	-	-	-	-	-
With mental deficiency	3	7	10	2	6	8	1	-	1	-	-	-	-	1	1
Undiagnosed psychoses	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-
Without psychoses	55	29	84	18	8	26	7	9	16	30	12	42	-	-	-
Primary behavior dis- orders	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
Total	344	331	675	115	231	346	98	57	155	126	26	152	5	17	22

TABLE 12 *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL		Single		Married		Widowed		Divorced		Separated		Unknown	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
With syphilitic meningo-encephalitis	14	3	2	-	8	2	2	1	1	-	1	-	-	-
With epidemic encephalitis	1	-	-	-	1	-	-	-	-	-	-	-	-	-
With other infectious diseases	1	1	1	-	1	-	1	1	-	-	1	-	-	-
Alcoholic psychoses	51	7	14	2	26	4	5	1	5	-	1	-	-	-
Due to drugs, etc.	2	2	-	-	2	2	-	-	-	-	-	-	-	-
Traumatic psychoses	4	4	1	-	3	2	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	93	74	8	5	54	24	30	44	1	1	-	-	-	-
With other disturbances of circulation	4	3	1	-	2	2	2	1	-	-	-	-	-	-
With convulsive disorders (epilepsy)	2	3	1	1	-	2	2	2	1	-	-	-	-	-
Senile psychoses	10	33	2	4	3	6	5	22	1	1	-	-	-	-
Involuntional psychoses	18	10	3	3	4	10	14	1	-	-	-	-	-	-
Due to other metabolic diseases, etc.	4	5	1	1	2	4	6	1	-	-	-	-	-	-
Due to new growth	2	2	1	-	2	2	1	-	-	-	-	-	-	-
With organic changes of nervous system	5	4	2	3	1	1	-	-	-	-	2	-	-	-
Psychoneuroses	12	21	7	4	5	12	17	4	1	1	-	-	-	-
Manic-depressive psychoses	20	23	8	7	9	12	21	3	1	1	1	1	1	1
Dementia praecox	49	95	35	46	14	42	56	4	-	3	3	-	-	-
Paranoia and paranoid conditions	3	7	-	-	3	2	2	2	1	-	-	-	-	-
With psychopathic personality	-	2	3	6	-	1	1	-	-	-	-	-	-	-
With mental deficiency	3	7	1	1	-	1	1	-	-	-	-	-	-	-
Undiagnosed psychoses	1	1	2	-	1	1	2	-	-	-	-	-	-	-
Without psychoses	55	29	21	7	26	12	38	5	-	3	3	6	-	-
Primary behavior disorders	-	1	-	-	-	1	1	-	-	-	-	-	-	-
Total	344	331	111	89	164	141	53	88	9	5	7	14	-	1

TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1937, All Cases in Residence and All Cases Out on September 30, 1937, by Status of Admission and Sex — Concluded*

MENTAL DISORDERS	ALL ADMISSIONS						ALL DISCHARGES						ALL DEATHS						RESIDENT POPULATION						PATIENTS OUT ON VISIT ETC.					
	First Admissions			Readmissions			First Admissions			Readmissions			First Admissions			Readmissions			First Admissions			Readmissions			First Admissions			Readmissions		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Anxiety state	1	—	1	—	1	1	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed psychoneurosis	4	6	10	2	3	5	3	6	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manic-depressive psychoses:																														
Manic type	9	11	20	11	16	27	4	5	9	15	6	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Depressive type	9	6	15	3	12	15	2	5	7	4	10	14	2	1	3	1	3	4	7	11	18	18	31	49	4	9	13	3	10	13
Circular type	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed type	2	3	5	2	2	4	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other types	—	—	—	3	3	5	—	1	1	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dementia praecox (schizophrenia):																														
Simple type	5	1	6	4	1	5	—	1	1	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebephrenic type	—	2	2	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Catatonic type	23	41	64	26	24	50	18	19	37	15	16	31	1	2	4	—	—	—	2	62	90	152	47	58	105	1	2	5	7	—
Paranoid type	12	39	51	9	11	20	7	9	16	4	5	9	1	5	9	—	—	—	1	107	147	254	89	82	171	24	33	57	19	22
Other types	9	12	21	2	5	7	5	4	9	1	2	2	—	—	—	—	—	—	—	110	147	254	66	88	154	5	19	24	4	10
Paranoid conditions:	3	7	10	1	3	4	3	3	3	2	1	2	—	—	—	—	—	—	—	3	12	15	4	10	14	2	3	5	3	6
With psychopathic personality	—	2	2	1	2	3	1	—	1	—	—	—	—	—	—	—	—	—	—	1	3	4	6	4	10	1	1	2	1	2
With mental deficiency:																														
Idiot	1	2	3	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	2	5	25	10	8	18	1	2	3	—	—
Imbecile	—	—	—	—	1	1	—	—	—	1	—	—	—	—	—	—	—	—	—	10	16	26	13	14	27	2	1	3	—	—
Moron	2	3	5	1	3	4	3	7	10	3	2	5	1	1	1	—	—	—	—	29	46	75	21	32	53	2	4	6	—	—
Unknown	—	2	2	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1	1	1	2	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Undiagnosed Psychoses:																														
Without Psychoses:																														
Alcoholism	23	8	31	9	3	12	22	8	30	9	4	13	1	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—
Drug addiction	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Psychopathic personality:																														
With asocial or amoral trends	3	1	4	1	—	1	2	1	3	2	—	2	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Mixed types	2	—	2	2	2	—	2	2	2	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Epilepsy	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mental deficiency:																														
Imbecile	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Moron	1	3	4	1	1	2	1	3	4	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other non-psychotic diseases or conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No other condition	7	6	13	5	—	5	7	7	14	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Primary Behavior Disorders:	17	9	26	6	1	7	16	7	23	5	1	6	—	—	—	—	—	—	2	2	4	—	—	—	—	—	—	—	—	—
Simple adult maladjustment	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grand Total	344	331	675	134	120	254	192	144	336	109	58	167	123	110	233	20	24	44	691	755	1,446	387	481	868	89	122	211	56	84	140

Note: Admissions and discharges do not include transfers.

TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	TOTAL			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	4	3	7	—	—	—	3	3	6	1	—	1
With other infectious diseases	—	2	2	—	1	1	—	1	1	—	—	—
Alcoholic psychoses	67	12	79	41	6	47	26	6	32	—	—	—
Due to drugs, etc.	1	2	3	1	—	1	—	2	2	—	—	—
Traumatic psychoses	4	—	4	—	—	—	4	—	4	—	—	—
With cerebral arteriosclerosis	24	8	32	3	—	3	19	4	23	2	4	6
With other disturbances of circulation	1	1	2	1	—	1	—	1	1	—	—	—
With convulsive disorders (epilepsy)	4	4	8	2	1	3	2	2	4	—	1	1
Senile psychoses	3	4	7	—	—	—	2	2	4	1	2	3
Involuntal psychoses	2	10	12	—	—	—	2	9	11	—	1	1
Due to other metabolic diseases, etc.	—	4	4	—	2	2	—	2	2	—	—	—
With organic changes of nervous system	3	—	3	—	—	—	3	—	3	—	—	—
Psychoneuroses	16	22	38	3	2	5	11	18	29	2	2	4
Manic-depressive psychoses	28	29	57	5	1	6	21	26	47	2	2	4
Dementia praecox	54	55	109	—	—	—	51	54	105	3	1	4
Paranoia and paranoid conditions	5	—	5	—	—	—	4	—	4	1	—	1
With psychopathic personality	1	—	1	—	—	—	1	—	1	—	—	—
With mental deficiency	8	10	18	—	2	2	8	7	15	—	1	1
Without psychoses	76	34	110	—	—	—	—	—	—	—	—	—
Primary behavior disorders	—	2	2	—	—	—	—	2	2	—	—	—
Total	301	202	503	56	15	71	157	139	296	12	14	26

TABLE 15. *Hospital Residence during This Admission of First Admissions Discharged during 1937*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	2	3	5	.58	.59	.59
With other infectious diseases	—	2	2	—	.08	.08
Alcoholic psychoses	48	11	59	.39	.15	.35
Due to drugs, etc.	1	2	3	.04	.04	.04
Traumatic psychoses	3	—	3	.20	—	.20
With cerebral arteriosclerosis	22	8	30	.56	.09	.42
With other disturbances of circulation	1	1	2	.04	.12	.08
With convulsive disorders (epilepsy)	2	4	6	1.31	.16	.54
Senile psychoses	2	4	6	2.27	.87	1.33
Involuntal psychoses	2	8	10	.65	.97	.90
Due to other metabolic diseases, etc.	—	3	3	—	.23	.23
With organic changes of nervous system	1	—	1	.37	—	.37
Psychoneuroses	12	16	28	.10	.16	.13
Manic-depressive psychoses	6	12	18	.60	.80	.74
Dementia praecox	30	33	63	.71	.92	.82
Paranoia and paranoid conditions	3	—	3	.06	—	.06
With psychopathic personality	1	—	1	.12	—	.12
With mental deficiency	4	7	11	3.24	1.44	2.09
Without psychoses	52	28	80	.06	.05	.05
Primary behavior disorders	—	2	2	—	.08	.08
Total	192	144	336	.44	.49	.45

[illegible]

Total	143	134	277	12	-	12	1	-	1	9	2	11	1	1	2	78	56	134	3	1	4	-	1	1	11	29	40	2	6	8
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TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

CAUSES OF DEATH	Due to other metabolic diseases, etc.		Due to new growth		With organic changes of nervous system		Psycho-neuroses		Manic-depressive psychoses		Dementia praecox		With psychopathic personality		With mental deficiency		Undiagnosed psychoses		Without psychoses				
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		
<i>Infectious and Parasitic Diseases:</i> Erysipelas Tuberculosis of the respiratory system Syphilis (non-nervous forms) Purulent infection, septicaemia (non-puerperal) <i>Cancer and Other Tumors:</i> Cancer and other malignant tumors Tumor (non-cancerous) <i>Diseases of the Nervous System and Organs of Special Sense:</i> Cerebral hemorrhage General paralysis of the insane Epilepsy Other diseases of the nervous system	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	1	-	2	2	-	-	1	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Diseases of the Circulatory System:</i> Chronic endocarditis (valvular disease) Diseases of the myocardium Diseases of the coronary arteries and angina pectoris Other diseases of the heart Arteriosclerosis Other diseases <i>Diseases of the Respiratory System:</i> Diseases of the larynx Broncho-pneumonia (including capillary bronchitis) Lobar pneumonia Other diseases (tuberculosis excepted)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	-	-	1	-	1	3	4	-	7	7	-	-	1	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	1	1	-	-	2	-	1	5	6	-	-	-	-	1	-	1	-	-
	-	-	-	-	-	-	-	-	-	-	2	2	4	-	-	-	-	1	-	-	-	-	-
<i>Diseases of the Digestive System:</i> Diseases of the buccal cavity and annæxa and of the pharynx and tonsils (including adenoid vegetations) Ulcer of the stomach and duodenum Diarrhea and enteritis Hernia, intestinal obstruction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 17 Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES	55-59 years		60-64 years		65-69 years		70-74 years		75-79 years		80-84 years		85 years and over	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
With syphilitic meningo-encephalitis	3	—	2	—	—	—	—	—	—	—	—	—	—	—
With other infectious diseases	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Alcoholic psychoses	—	—	1	—	2	—	1	—	—	—	—	—	—	—
Traumatic psychoses	—	—	—	—	1	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	2	4	10	4	10	8	16	17	22	12	9	6	8	4
With other disturbances of circulation	1	—	1	1	1	—	—	—	—	—	—	—	—	—
With convulsive disorders (epilepsy)	—	—	—	—	2	—	1	—	—	—	—	—	—	—
Senile psychoses	—	—	1	1	1	2	3	6	—	—	3	8	4	8
Involutional psychoses	1	1	—	—	1	—	—	—	—	—	—	—	—	—
Due to other metabolic diseases, etc.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Due to new growth	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With organic changes of nervous system	—	—	—	1	—	—	—	—	—	—	—	—	—	—
Psychoneuroses	—	—	—	1	—	—	—	—	—	—	—	—	—	—
Manic-depressive psychoses	—	—	—	1	—	—	—	—	—	—	—	—	—	—
Dementia praecox	1	1	2	1	1	1	—	—	—	—	—	—	—	—
With psychopathic personality	1	3	4	2	1	1	—	—	1	4	—	—	—	—
With mental deficiency	—	—	—	1	—	—	—	—	—	—	—	—	—	—
Undiagnosed psychoses	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Without psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9	9	20	12	19	14	19	26	23	25	12	14	12	8
		18		32		33		45		48		26		20

TABLE 18. Total Duration of Hospital Life During all Admissions of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded

PSYCHOSES	5-6 years		7-8 years		9-10 years		11-12 years		13-14 years		15-19 years		20 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis															
With other infectious diseases	2	-	2	-	-	-	1	-	1	-	-	-	-	-	-
Alcoholic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	1	3	4	1	1	1	-	1	1	-	-	-	-	-	-
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	1	1	2	-	-	-	-	-	-	-	-	1	1	-	-
Involutional psychoses	-	-	-	-	-	2	2	-	-	-	-	2	2	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
With organic changes of nervous system	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	2	1	3	1	1	4	4	1	1	-	2	2	-	2	4
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Undiagnosed psychoses	-	-	-	-	-	-	-	1	1	1	-	-	-	1	-
Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	6	12	-	2	2	1	6	7	-	3	1	4	4	8

TABLE 19. *Average Length of Hospital Residence during the Present Admission of All First Admissions in Residence on September 30, 1937*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	48	13	61	4.77	4.56	4.72
With other forms of syphilis	7	3	10	4.21	12.83	6.80
With epidemic encephalitis	7	7	14	5.63	6.50	6.06
With other infectious diseases	—	1	1	—	3.50	3.50
Alcoholic psychoses	67	6	73	7.14	20.83	8.40
Due to drugs, etc.	1	1	2	4.44	1.50	.97
Traumatic psychoses	6	2	8	6.47	2.50	5.47
With cerebral arteriosclerosis	92	83	175	2.94	4.22	3.55
With other disturbances of circulation	—	3	3	—	9.16	9.16
With convulsive disorders (epilepsy)	9	10	19	6.16	6.30	6.23
Senile psychoses	15	46	61	4.21	3.02	3.31
Involutional psychoses	13	34	47	3.71	5.57	5.05
Due to other metabolic diseases, etc.	5	3	8	2.07	8.48	4.47
With organic changes of nervous system	13	9	22	4.02	6.15	4.89
Psychoneuroses	6	14	20	3.98	1.90	2.52
Manic-depressive psychoses	34	39	73	5.03	10.89	8.16
Dementia praecox	318	395	713	10.23	10.10	10.16
Paranoia and paranoid conditions	3	12	15	2.14	4.90	4.35
With psychopathic personality	1	3	4	17.50	11.48	12.98
With mental deficiency	41	67	108	12.73	10.22	11.18
Undiagnosed psychoses	—	1	1	—	.44	.44
Without psychoses	5	3	8	.44	.44	.44
Total	691	755	1,446	7.68	8.41	8.06

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmissions in Residence on September 30, 1937*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	11	9	20	6.86	6.72	6.80
With other forms of syphilis	1	2	3	12.50	7.50	9.16
With epidemic encephalitis	3	4	7	5.50	5.25	5.35
Alcoholic psychoses	34	6	40	8.41	7.16	8.22
Traumatic psychoses	5	—	5	5.70	—	5.70
With cerebral arteriosclerosis	14	28	42	2.57	4.71	4.00
With other disturbances of circulation	—	1	1	—	1.50	1.50
With convulsive disorders (epilepsy)	5	11	16	4.30	8.50	7.18
Senile psychoses	3	2	5	3.16	4.00	3.50
Involutional psychoses	4	11	15	4.50	4.40	4.43
Due to other metabolic diseases, etc.	1	3	4	17.50	4.83	8.00
Due to new growth	1	—	1	.50	—	.50
With organic changes of nervous system	4	3	7	9.50	9.83	9.64
Psychoneuroses	1	11	12	7.50	3.50	3.83
Manic-depressive psychoses	35	78	113	5.67	6.37	6.16
Dementia praecox	220	248	468	9.80	9.51	9.65
Paranoia and paranoid conditions	4	10	14	3.50	7.60	6.42
With psychopathic personality	6	4	10	9.16	2.50	6.50
With mental deficiency	34	49	83	9.57	10.78	10.28
Undiagnosed psychoses	—	1	1	—	.50	.50
Without psychoses	1	—	1	.44	—	.44
Total	387	481	868	8.57	8.26	8.40

TABLE 20. *Family Care Statistics for Year Ended September 30, 1937*

	Males	Females	Total
Remaining in Family Care September 30, 1936	—	10	10
Admitted to Family Care during the Year	—	3	3
Whole Number of Cases within the Year	—	13	13
Discharged from Family Care within the Year	—	4	4
Died in Family Care	—	1	1
Returned to Institution	—	3	3
Remaining in Family Care September 30, 1937	—	9	9
Average Daily Number in Family Care during Year	—	10.01	10.01
Supported by State	—	7	7
Private	—	2	2

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